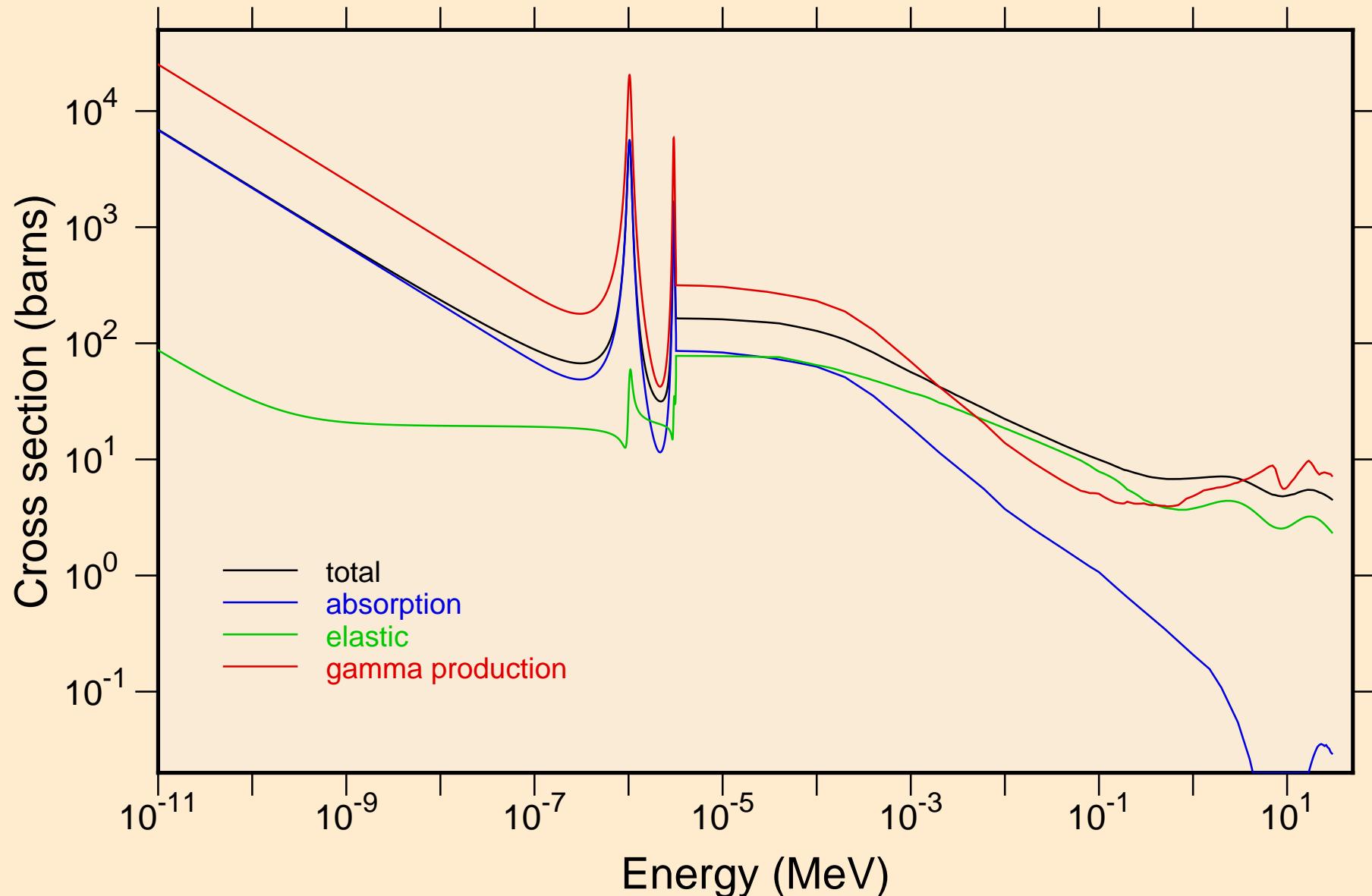
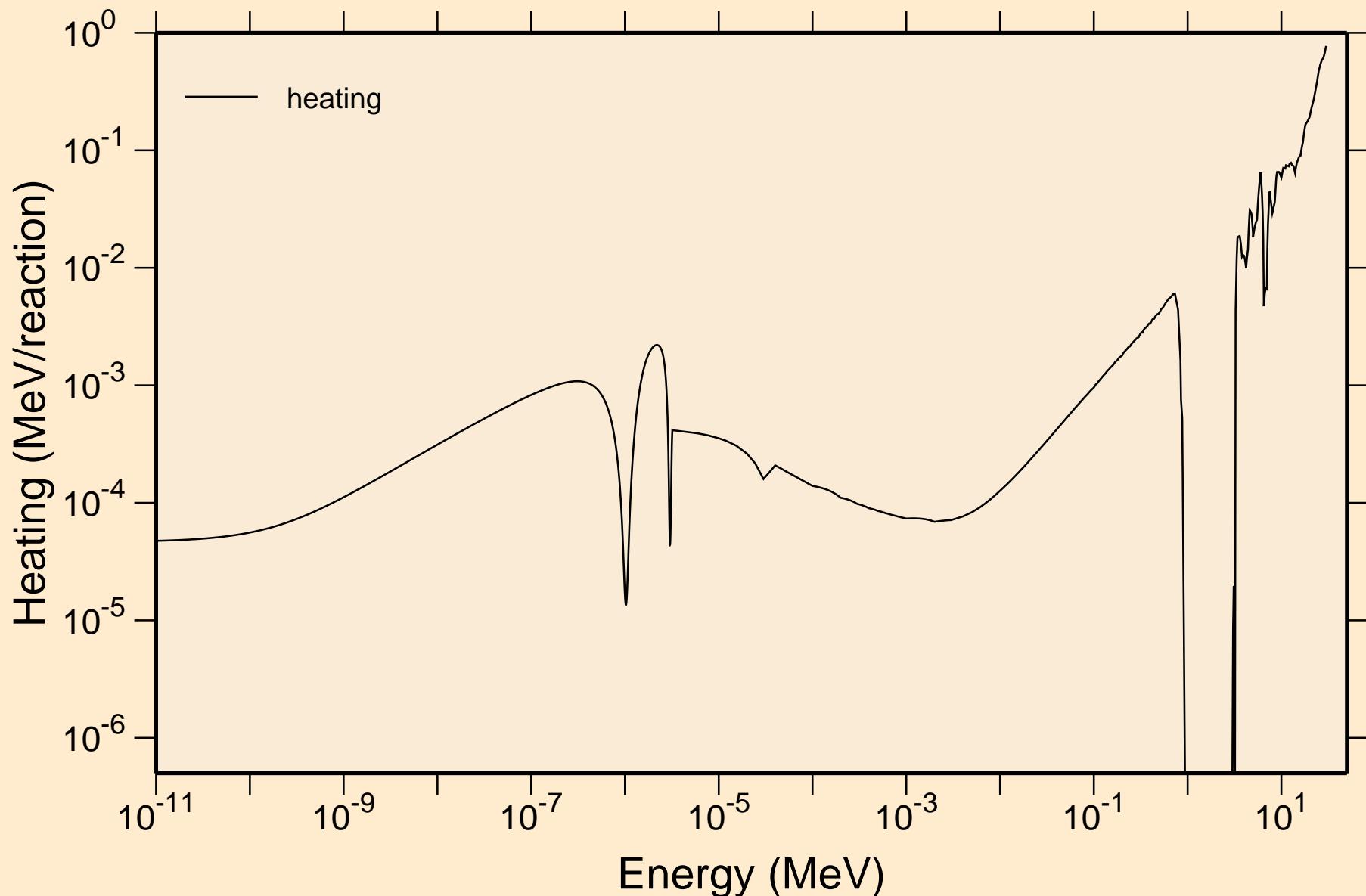


# ENDF/B-VII.1 TM-168

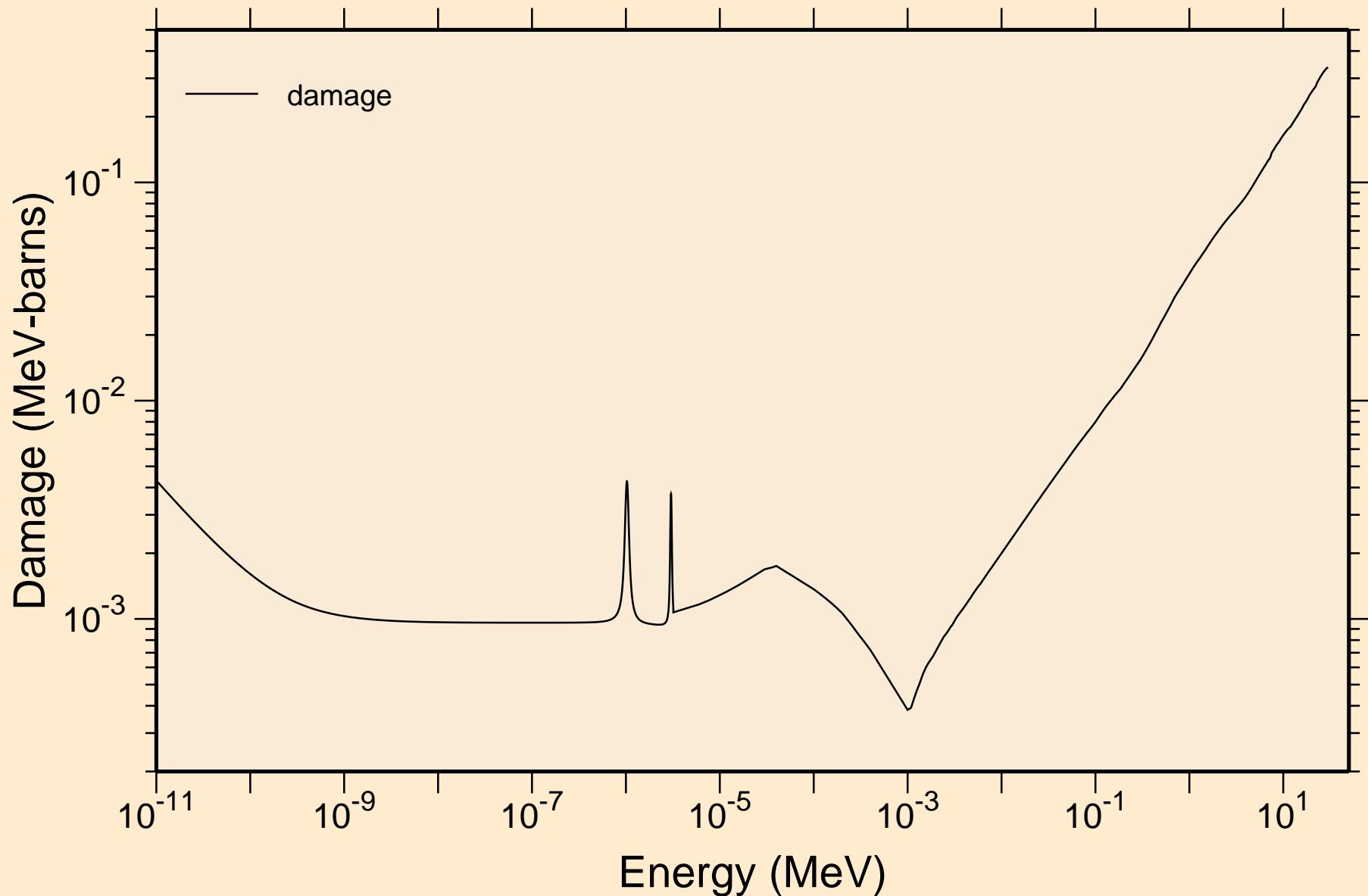
## Principal cross sections



ENDF/B-VII.1 TM-168  
Heating

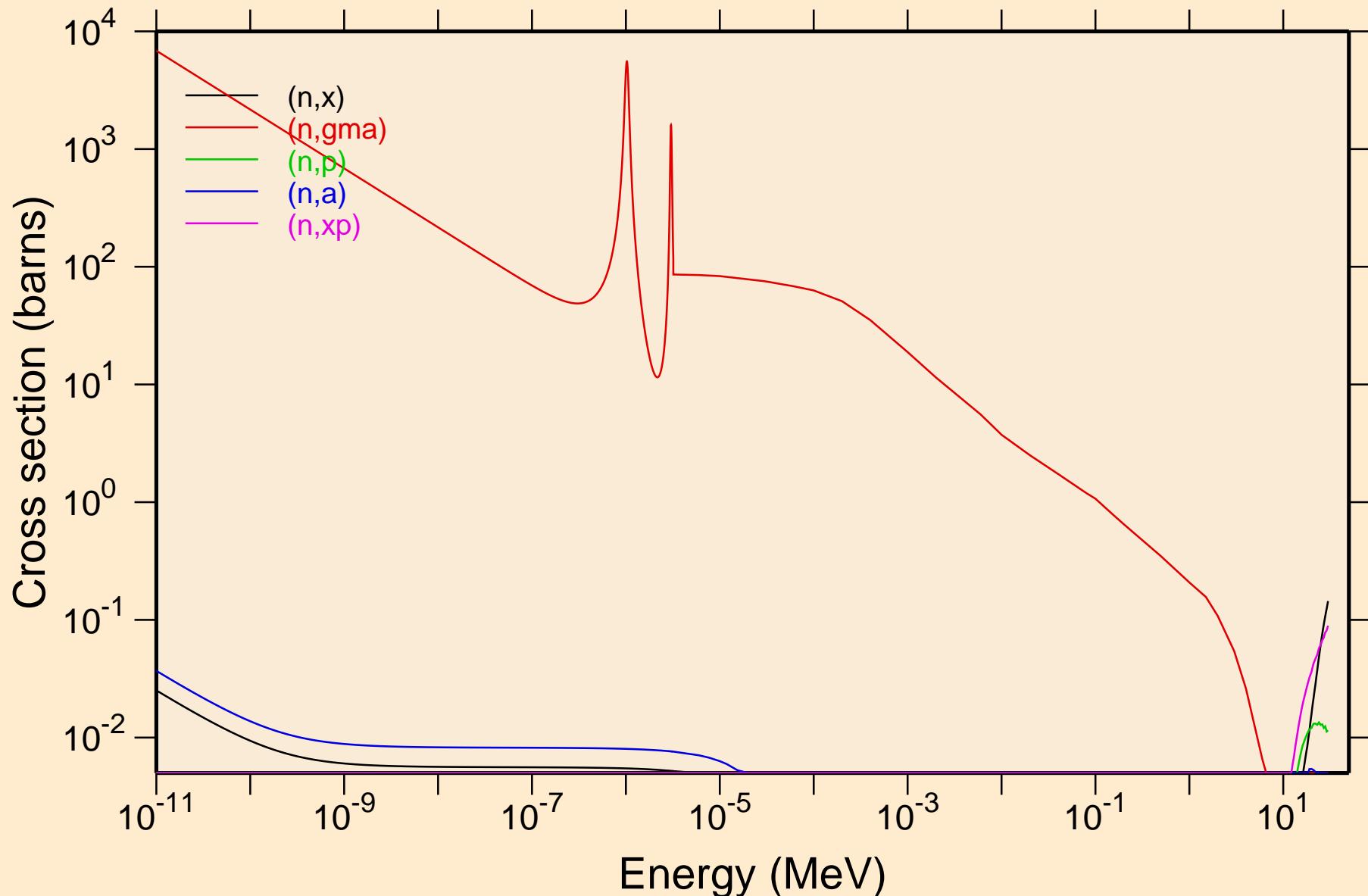


ENDF/B-VII.1 TM-168  
Damage

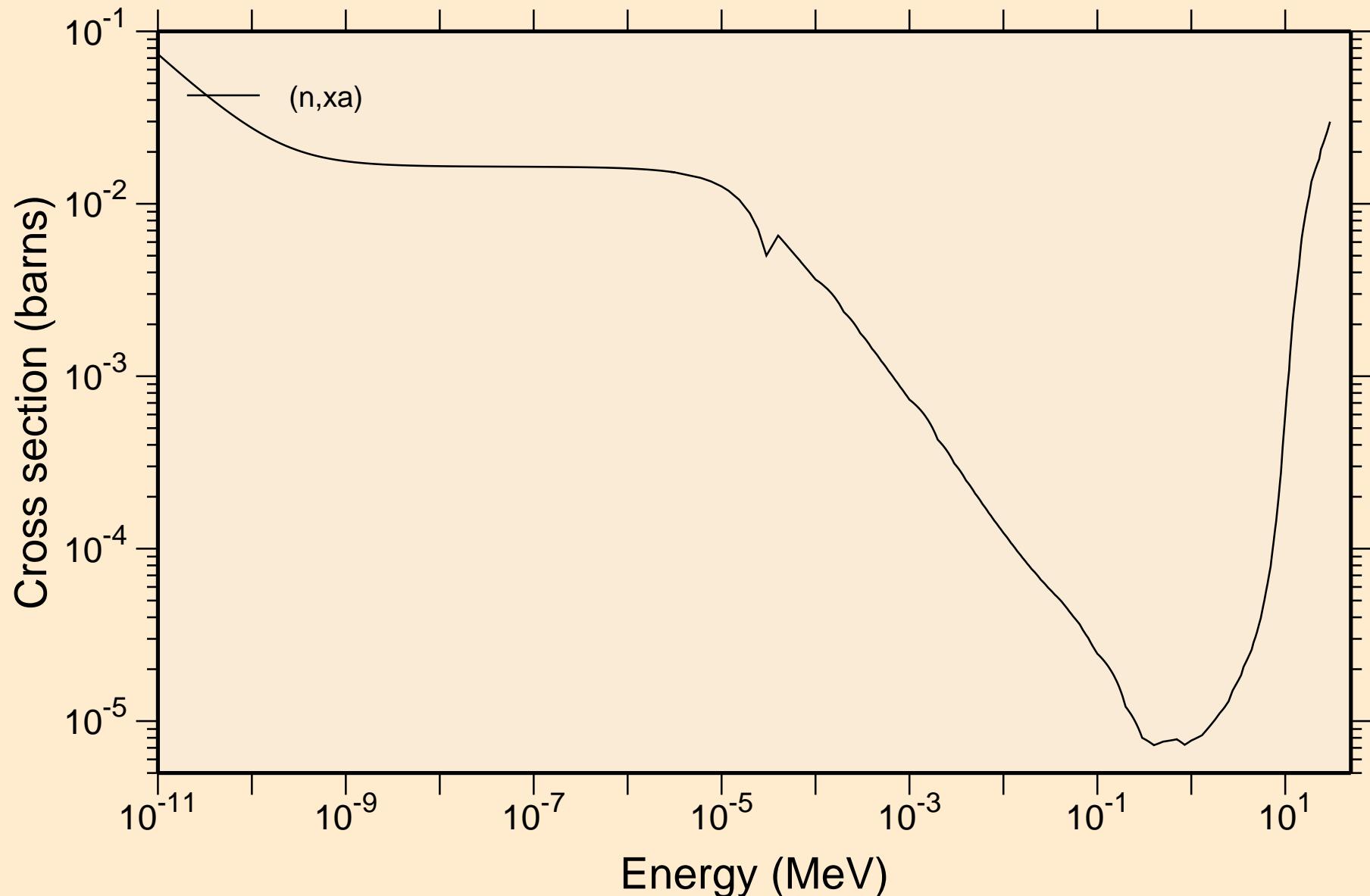


# ENDF/B-VII.1 TM-168

## Non-threshold reactions

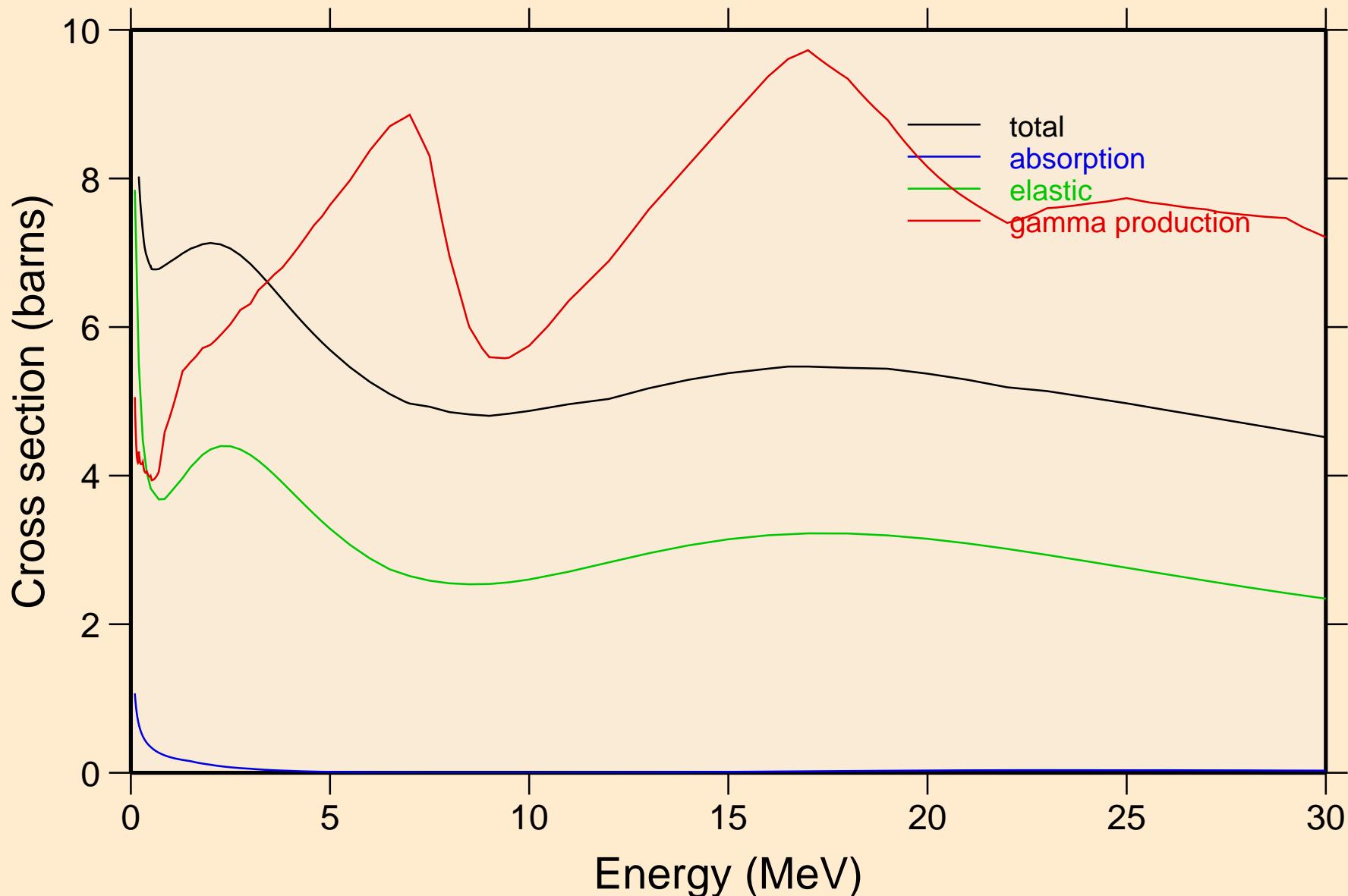


ENDF/B-VII.1 TM-168  
Non-threshold reactions

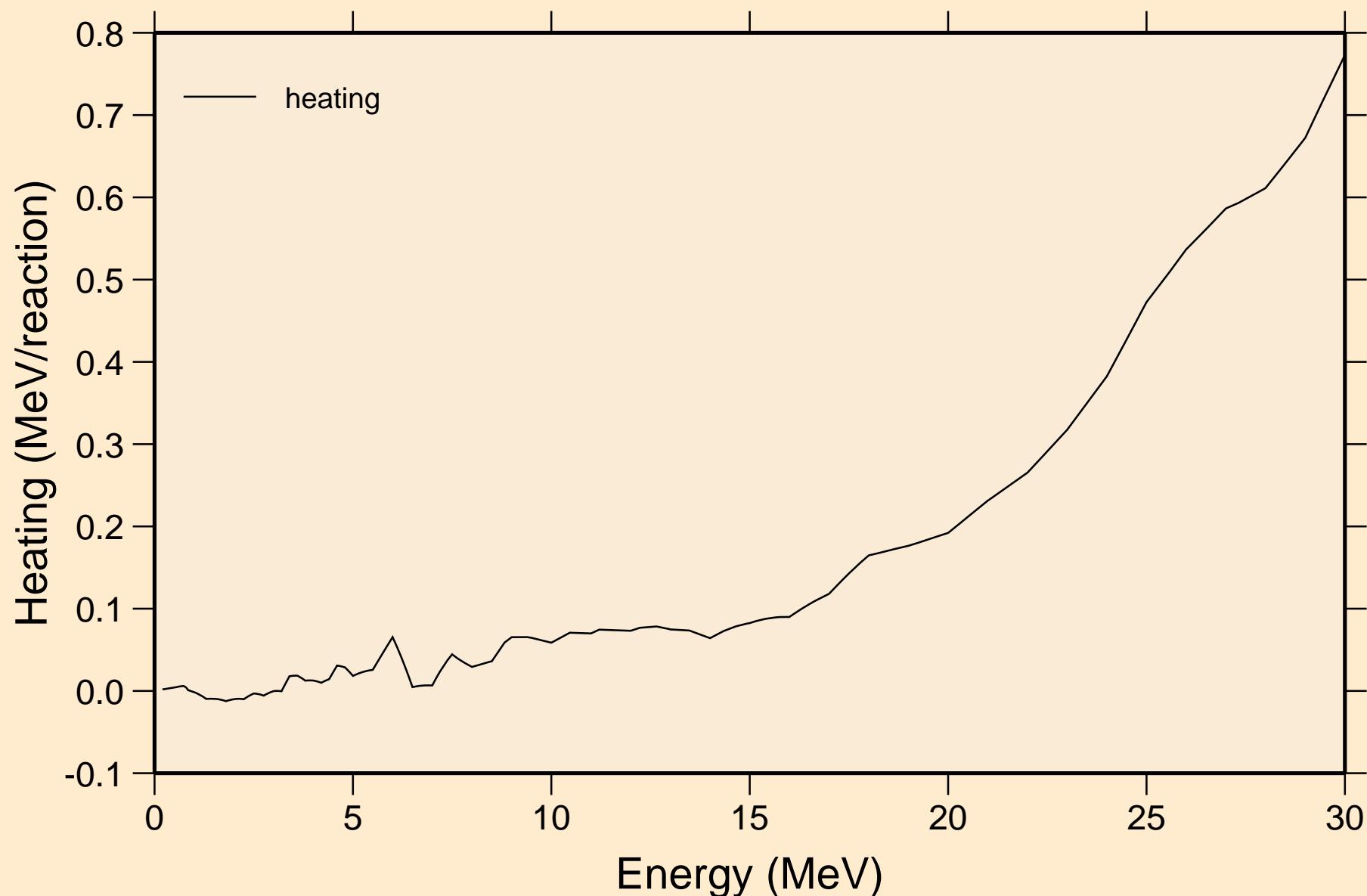


# ENDF/B-VII.1 TM-168

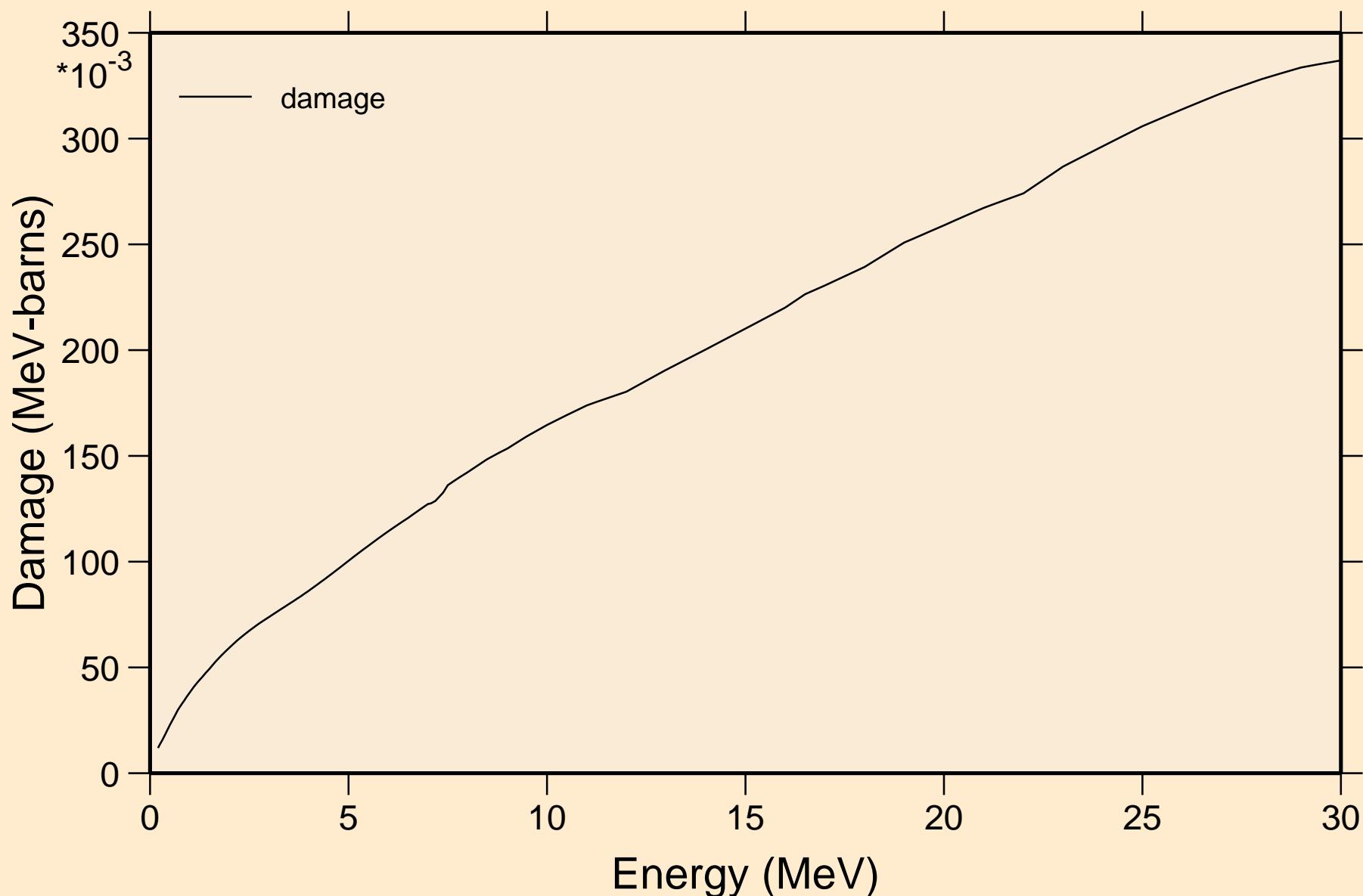
## Principal cross sections



ENDF/B-VII.1 TM-168  
Heating

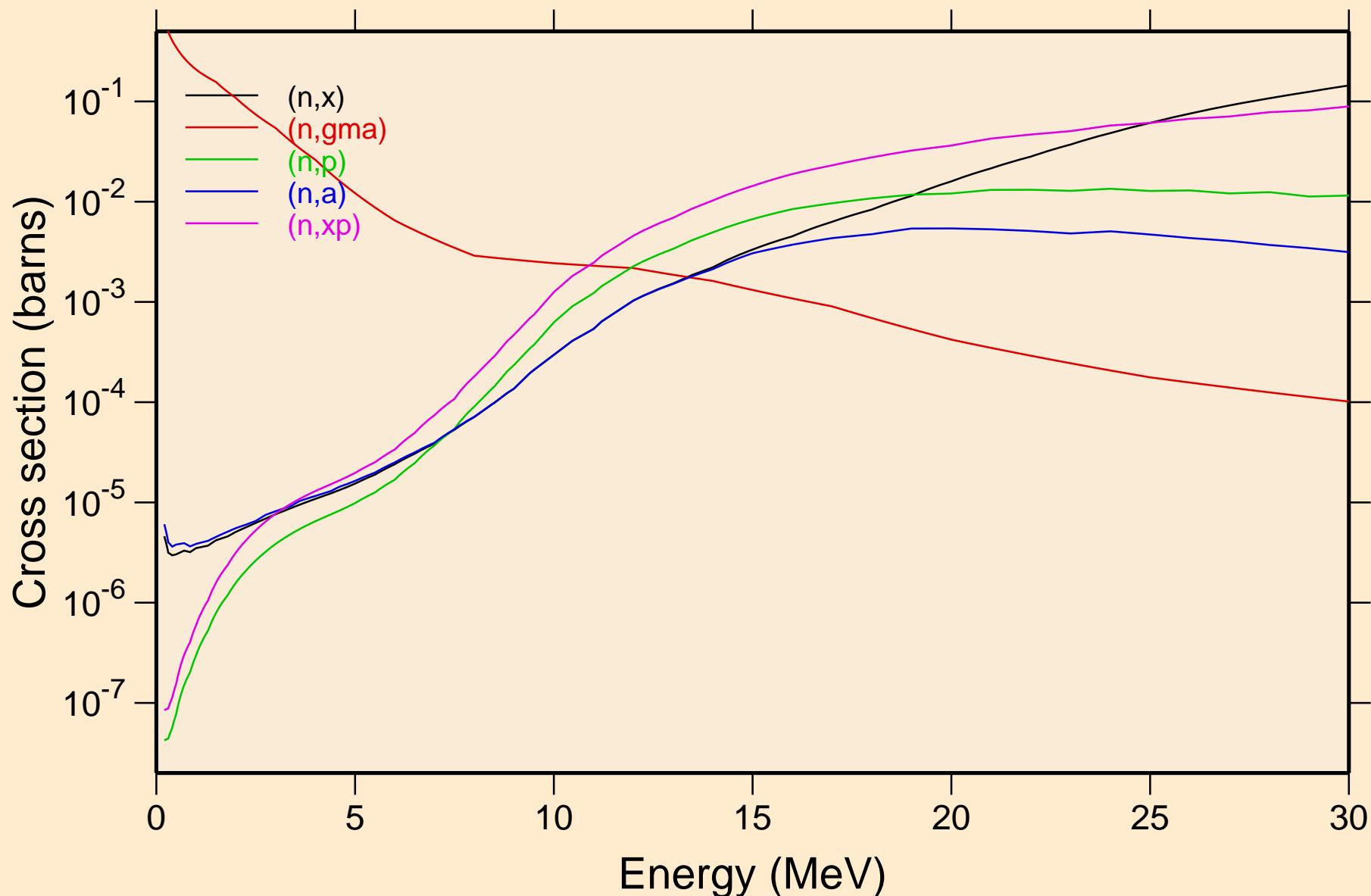


ENDF/B-VII.1 TM-168  
Damage

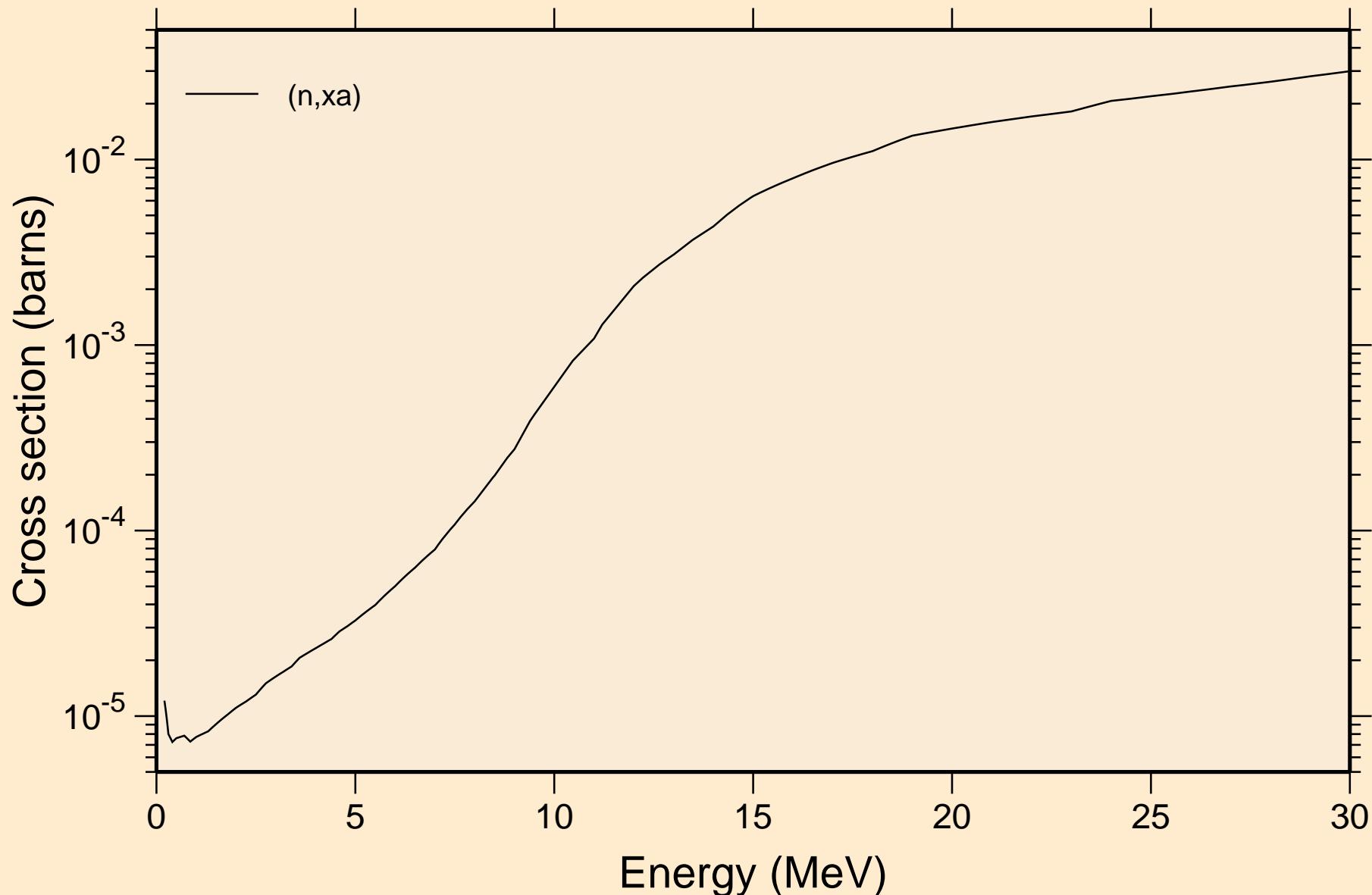


# ENDF/B-VII.1 TM-168

## Non-threshold reactions

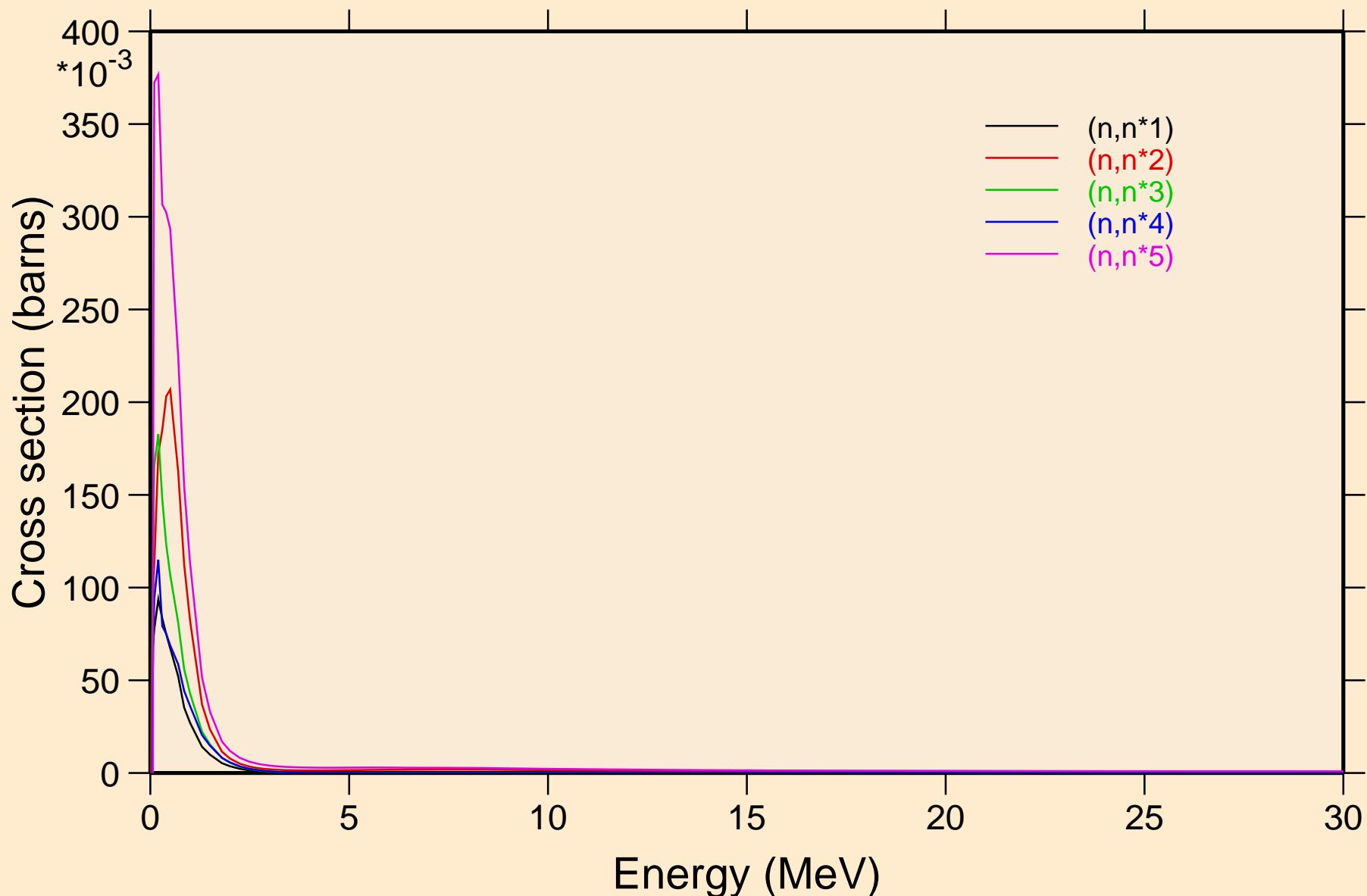


ENDF/B-VII.1 TM-168  
Non-threshold reactions



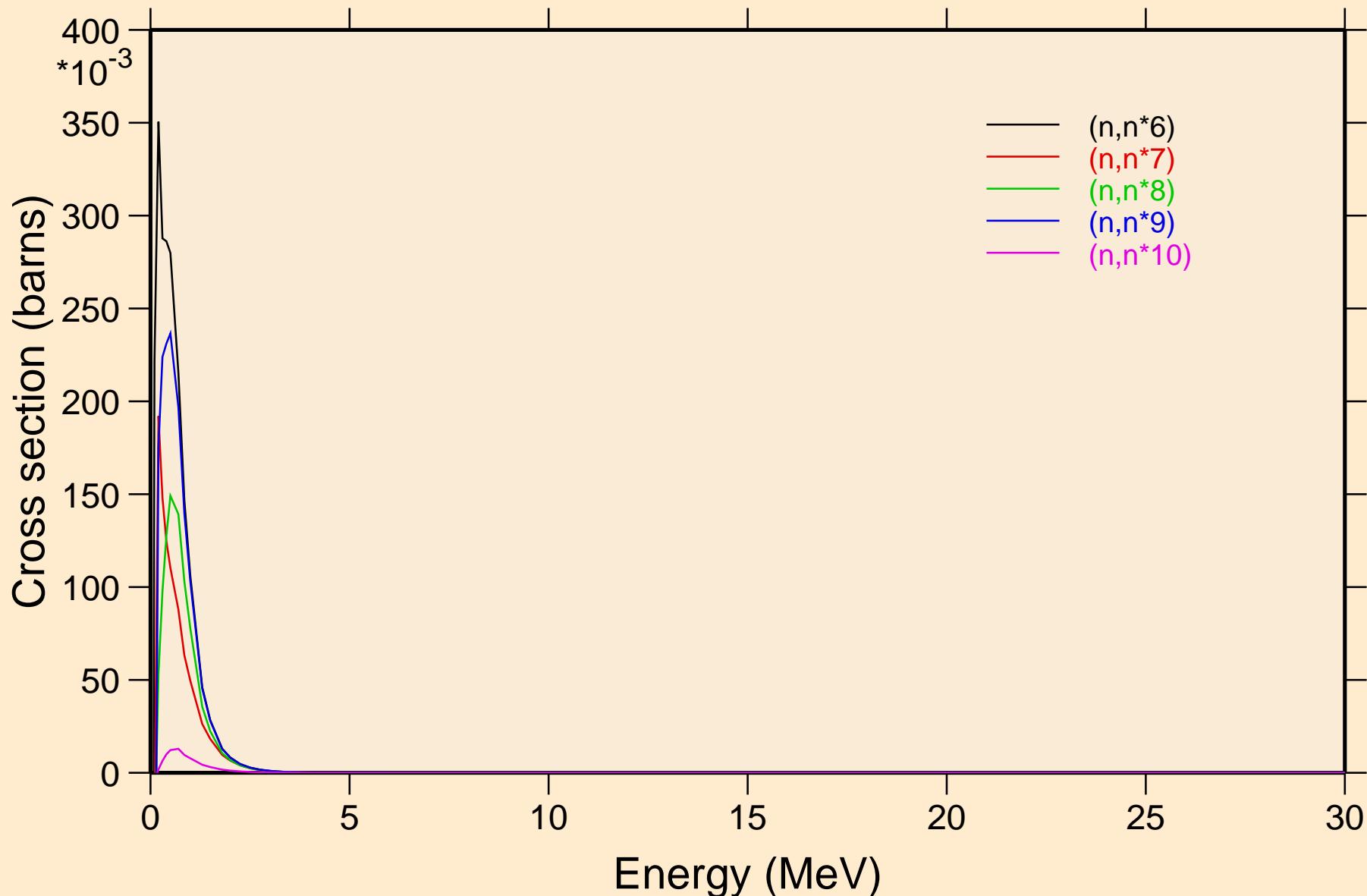
# ENDF/B-VII.1 TM-168

## Inelastic levels



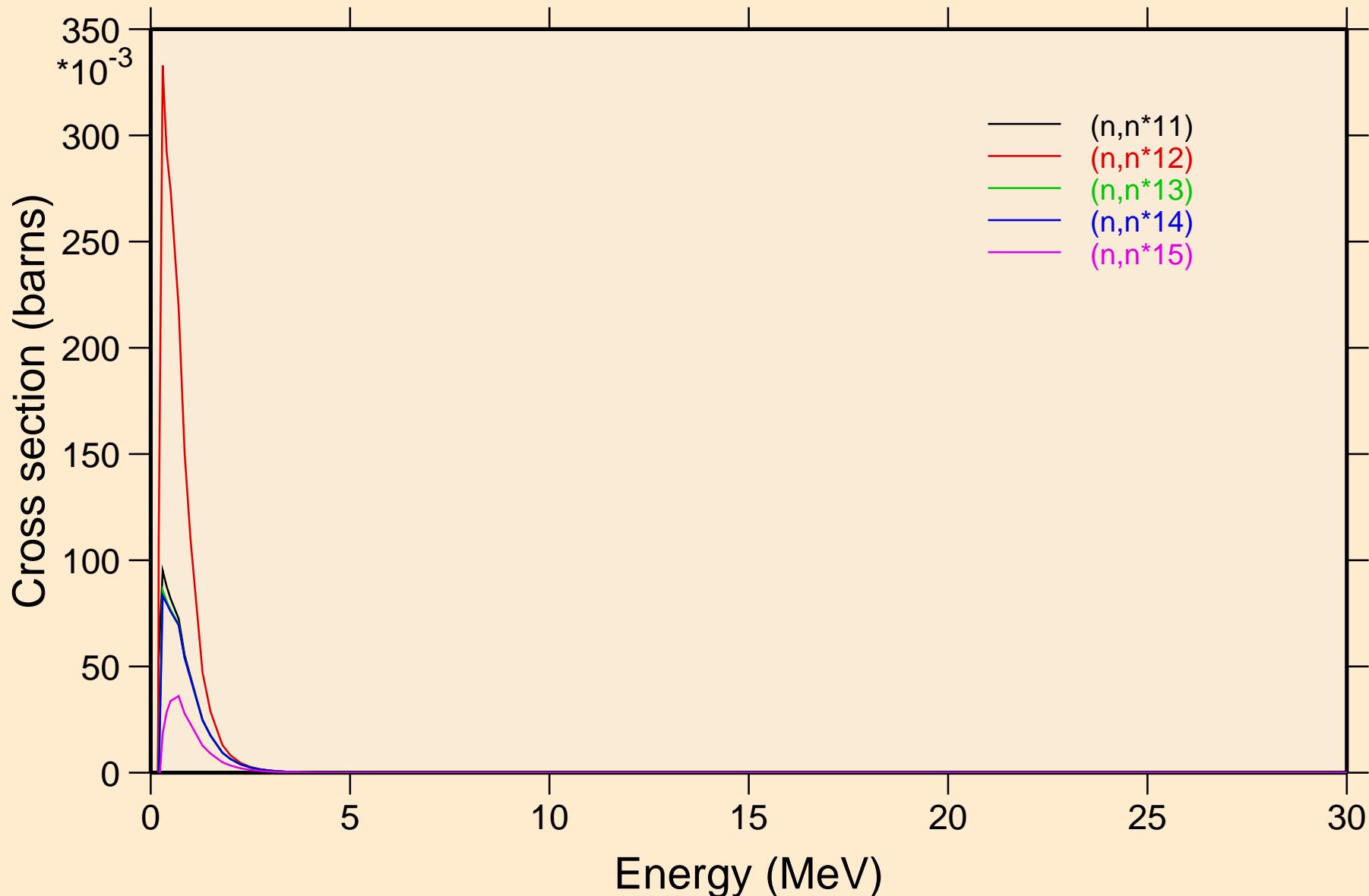
# ENDF/B-VII.1 TM-168

## Inelastic levels



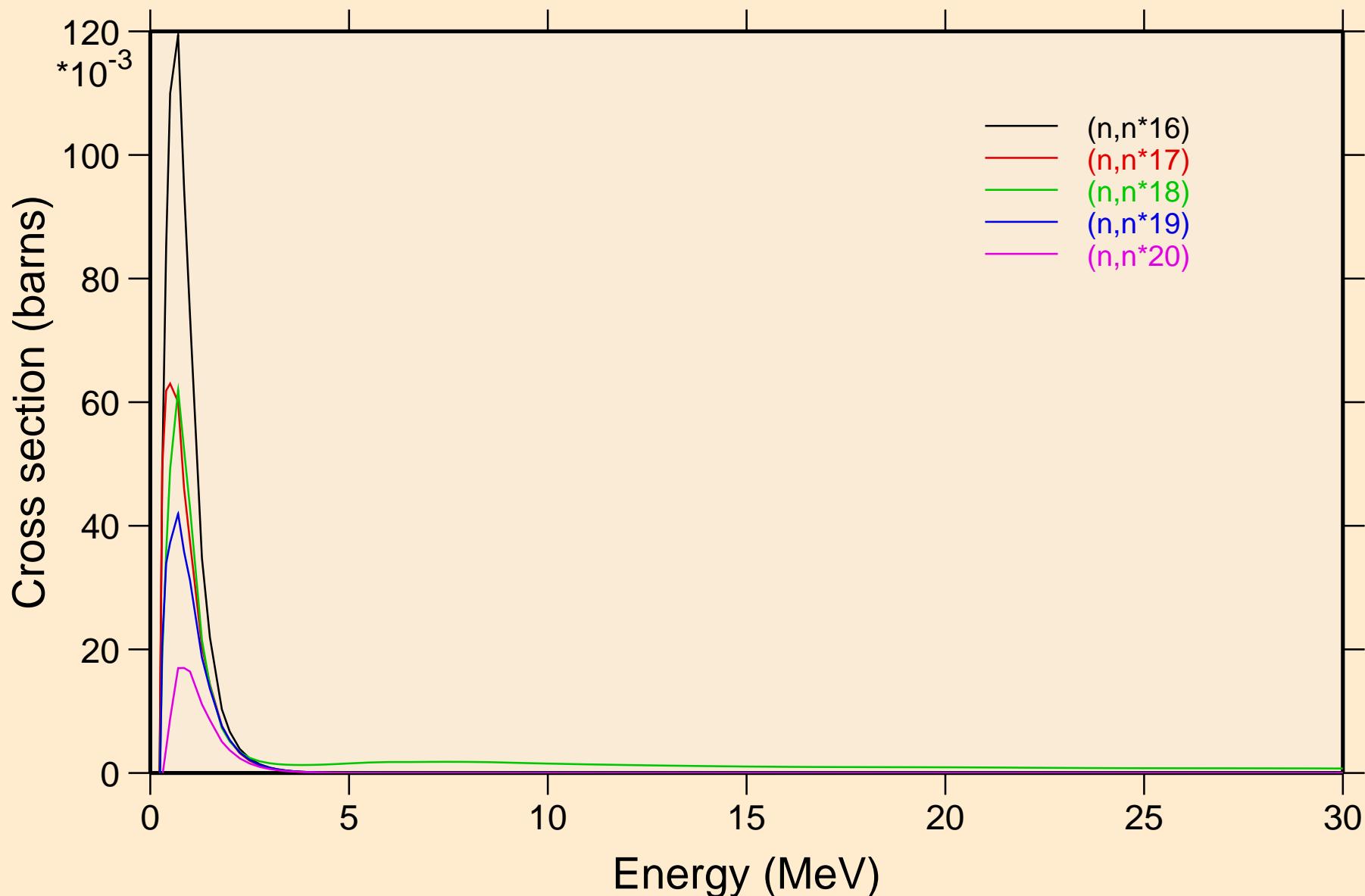
# ENDF/B-VII.1 TM-168

## Inelastic levels



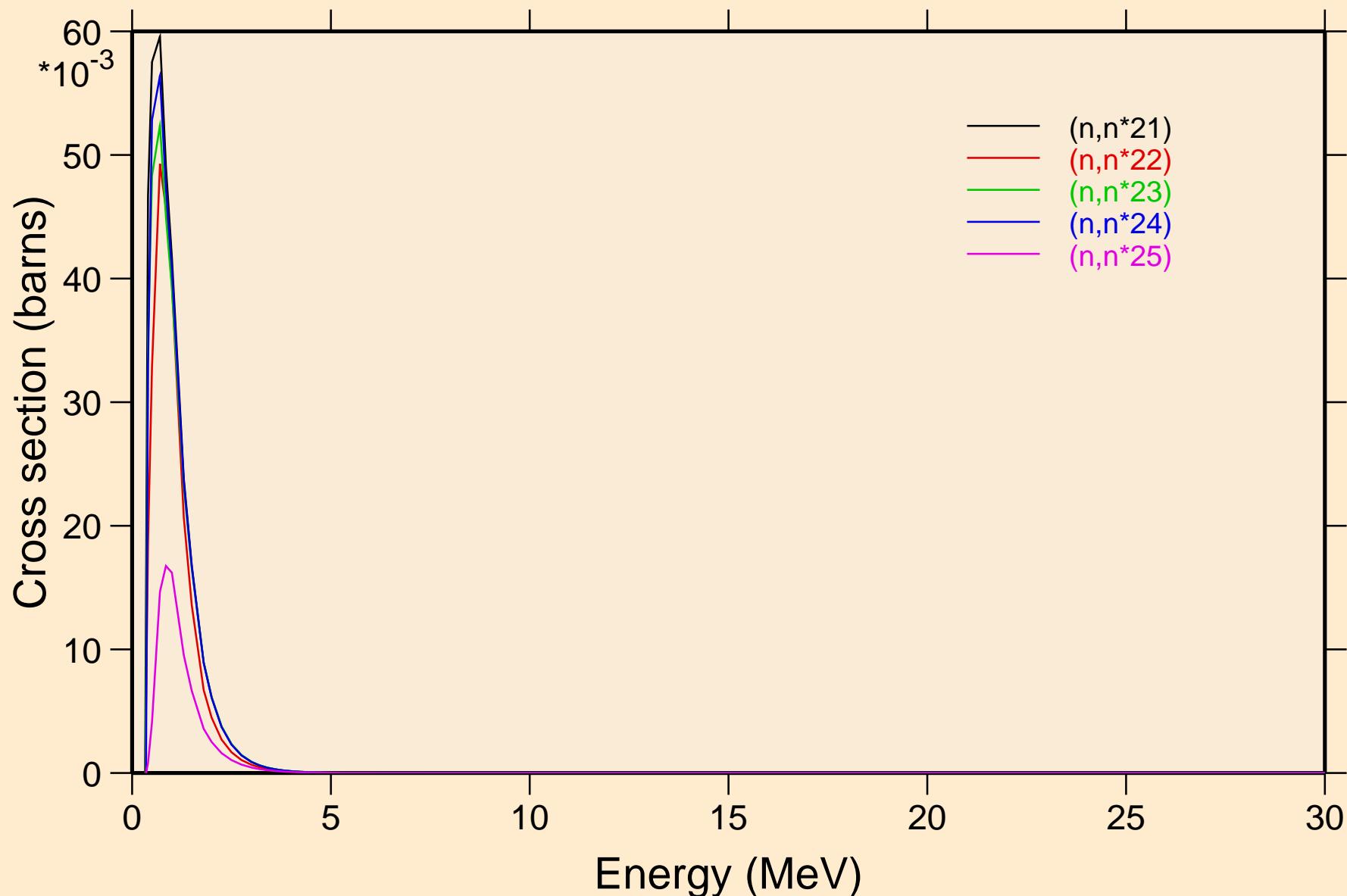
# ENDF/B-VII.1 TM-168

## Inelastic levels



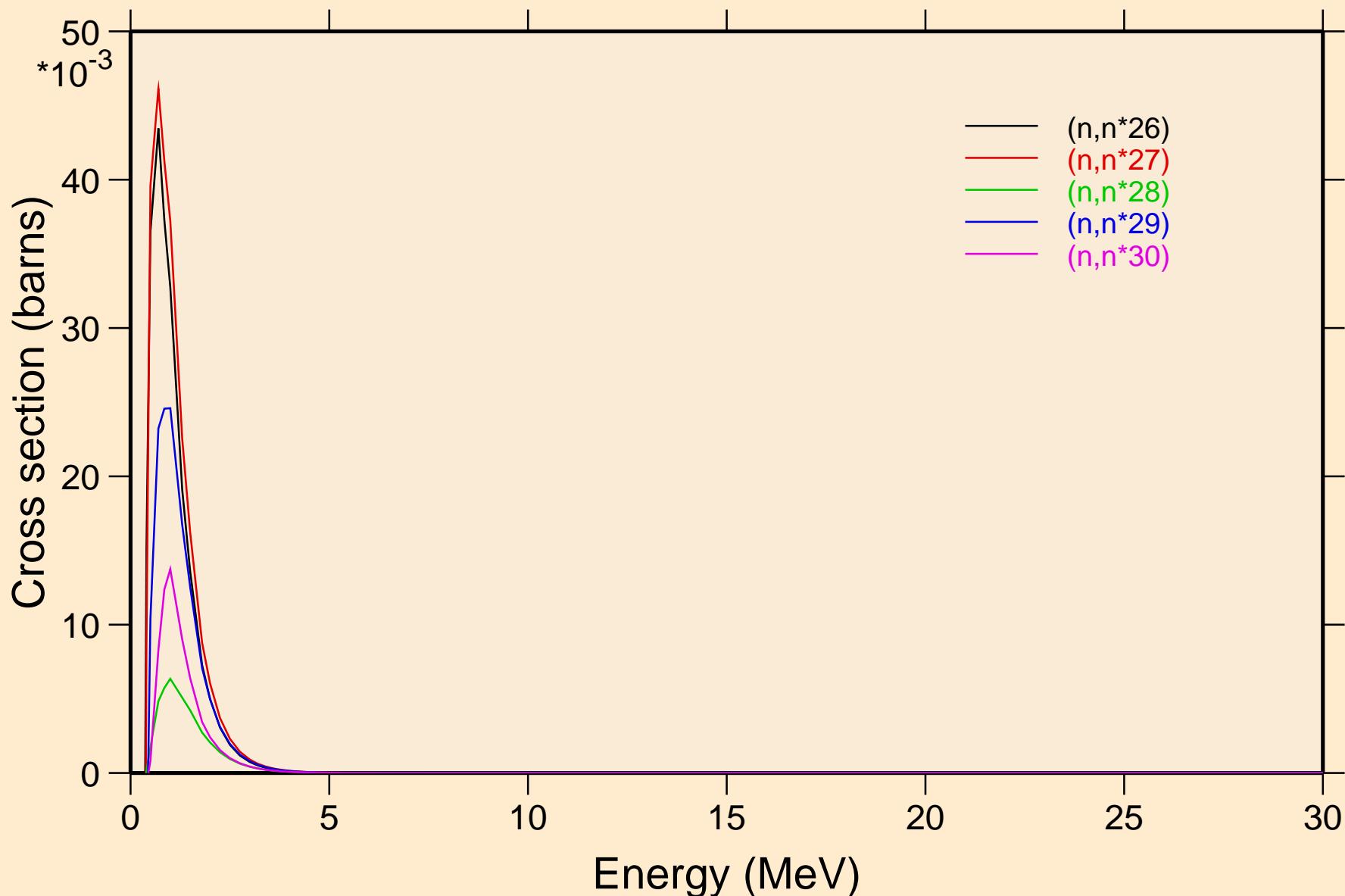
# ENDF/B-VII.1 TM-168

## Inelastic levels



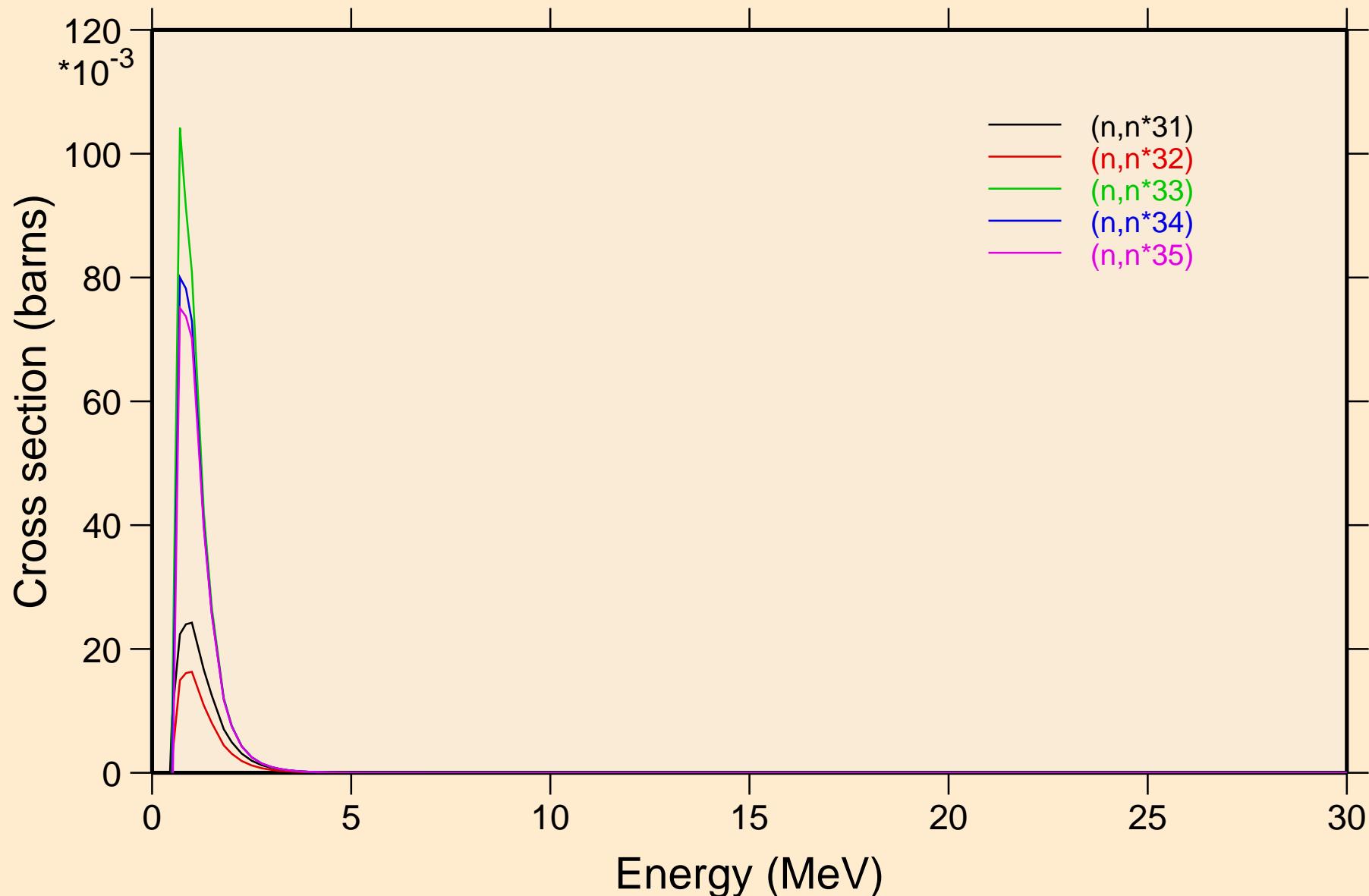
# ENDF/B-VII.1 TM-168

## Inelastic levels



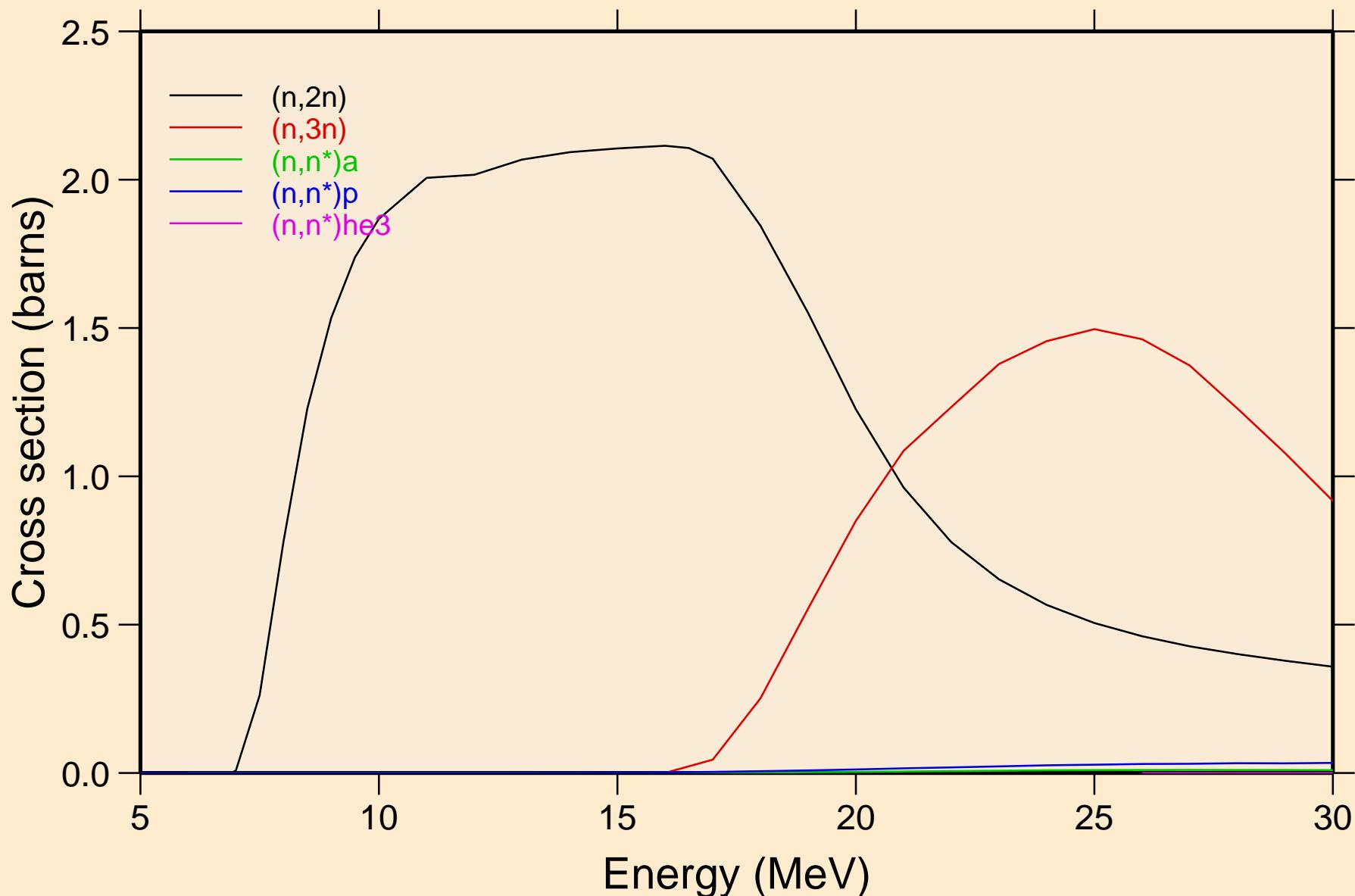
# ENDF/B-VII.1 TM-168

## Inelastic levels



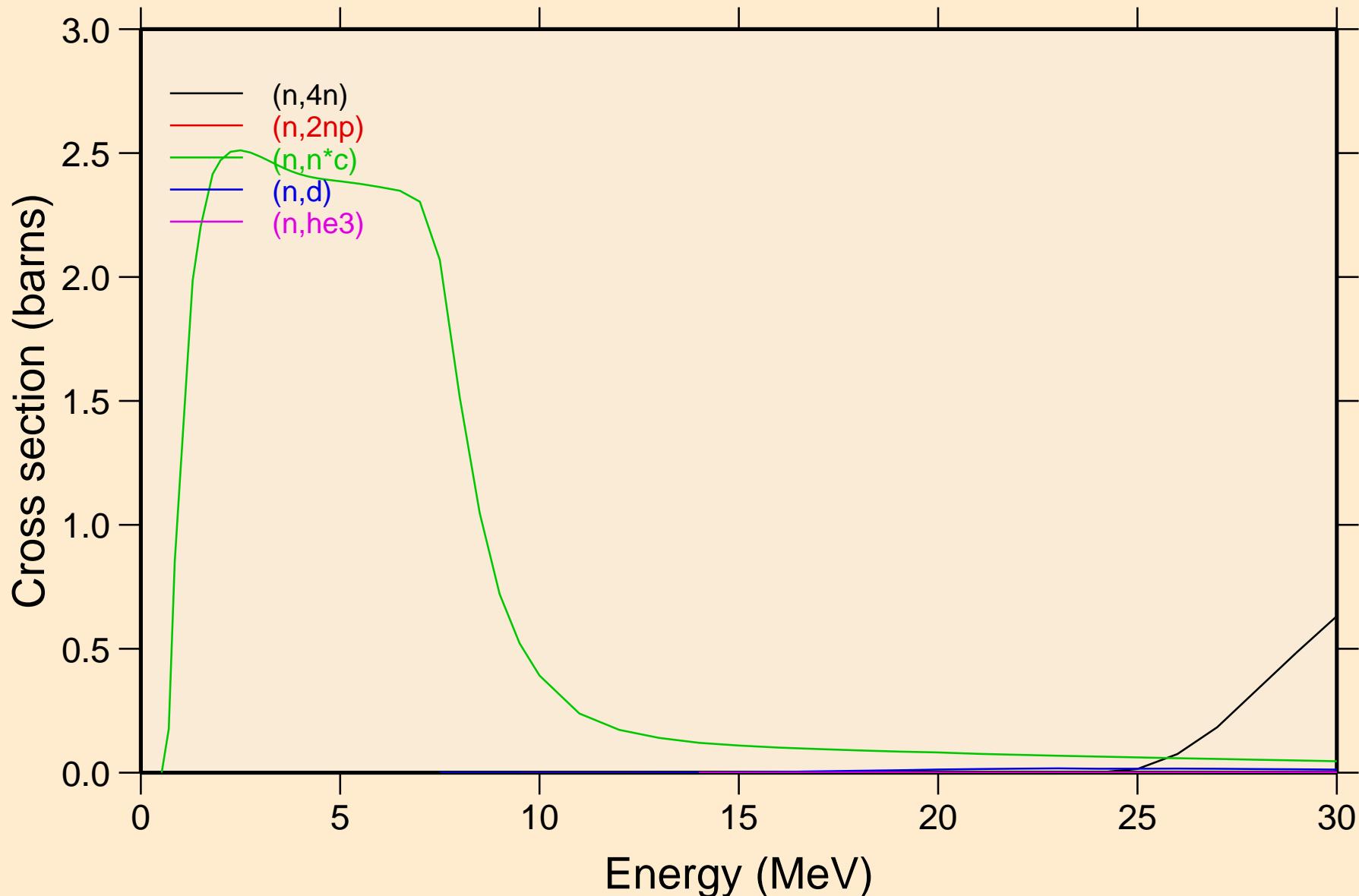
# ENDF/B-VII.1 TM-168

## Threshold reactions



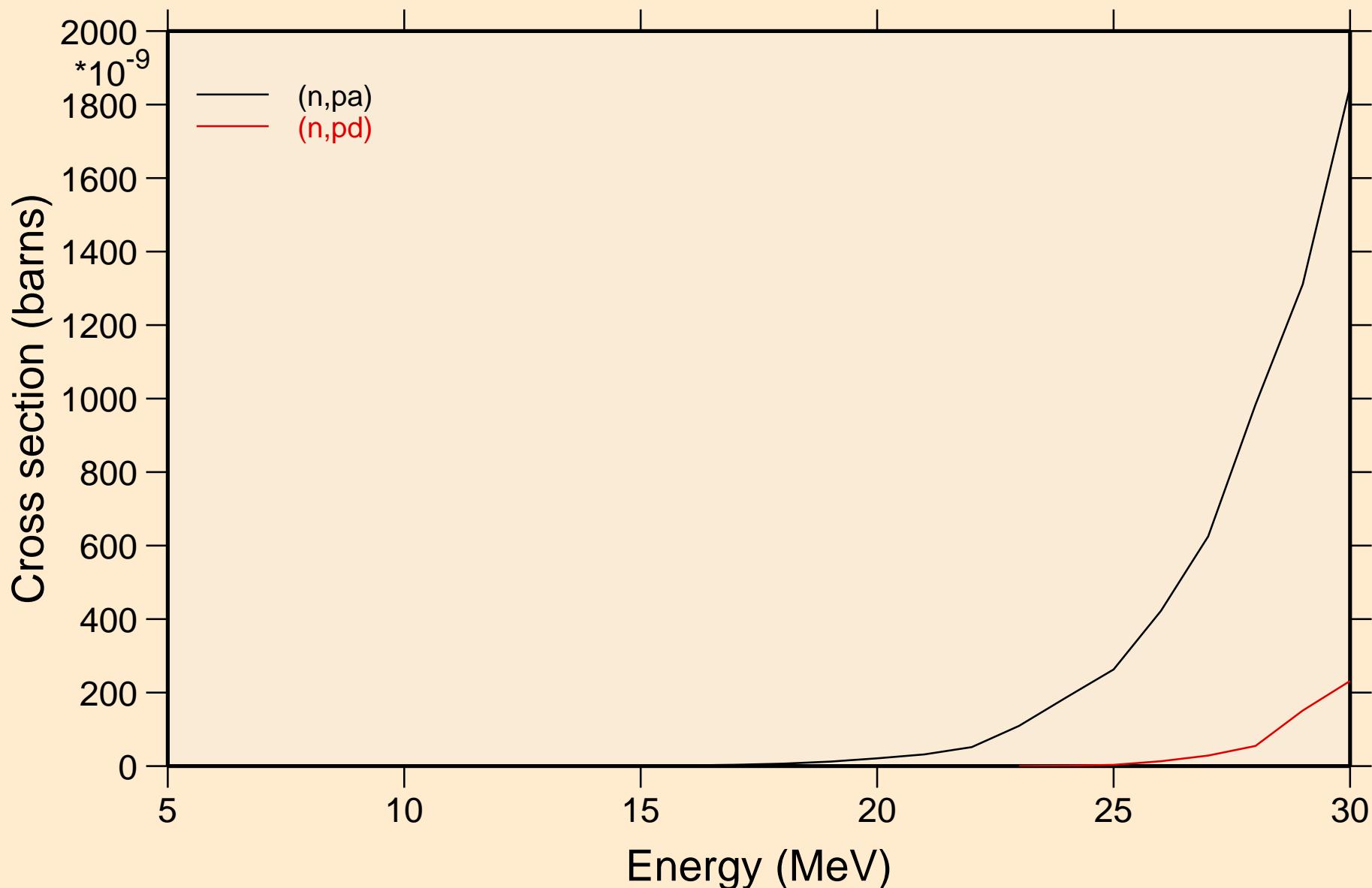
# ENDF/B-VII.1 TM-168

## Threshold reactions



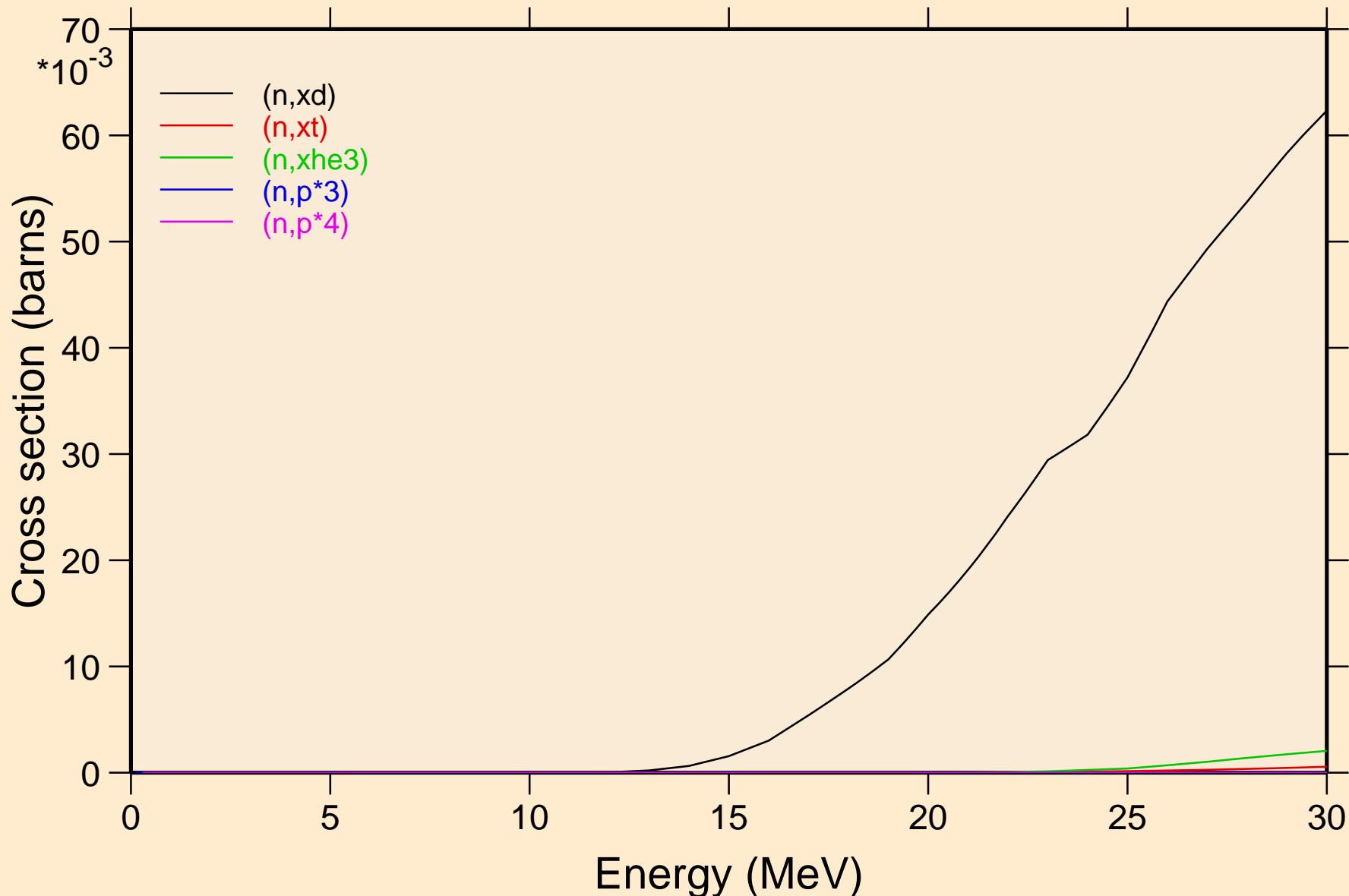
# ENDF/B-VII.1 TM-168

## Threshold reactions



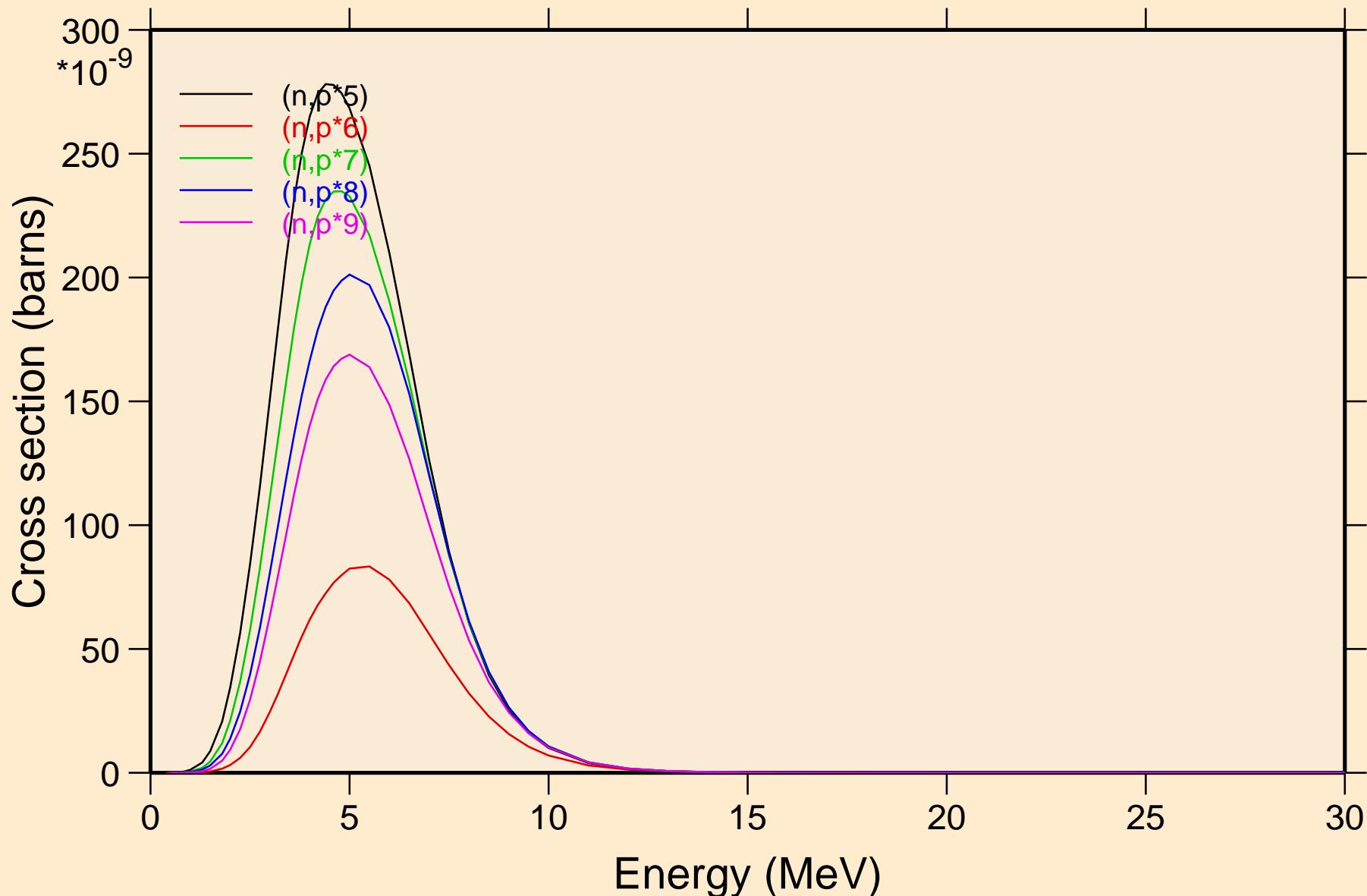
# ENDF/B-VII.1 TM-168

## Threshold reactions



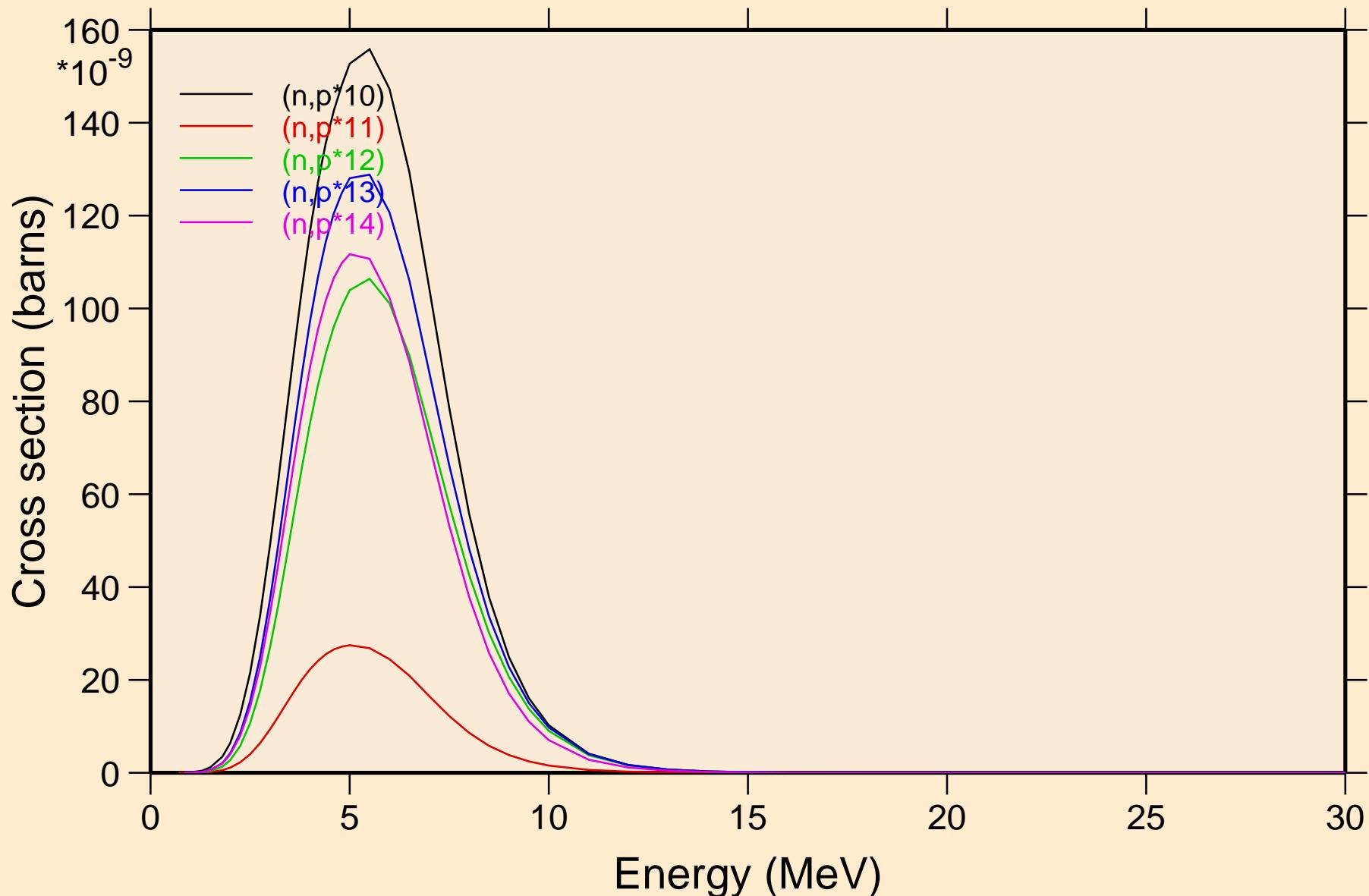
# ENDF/B-VII.1 TM-168

## Threshold reactions



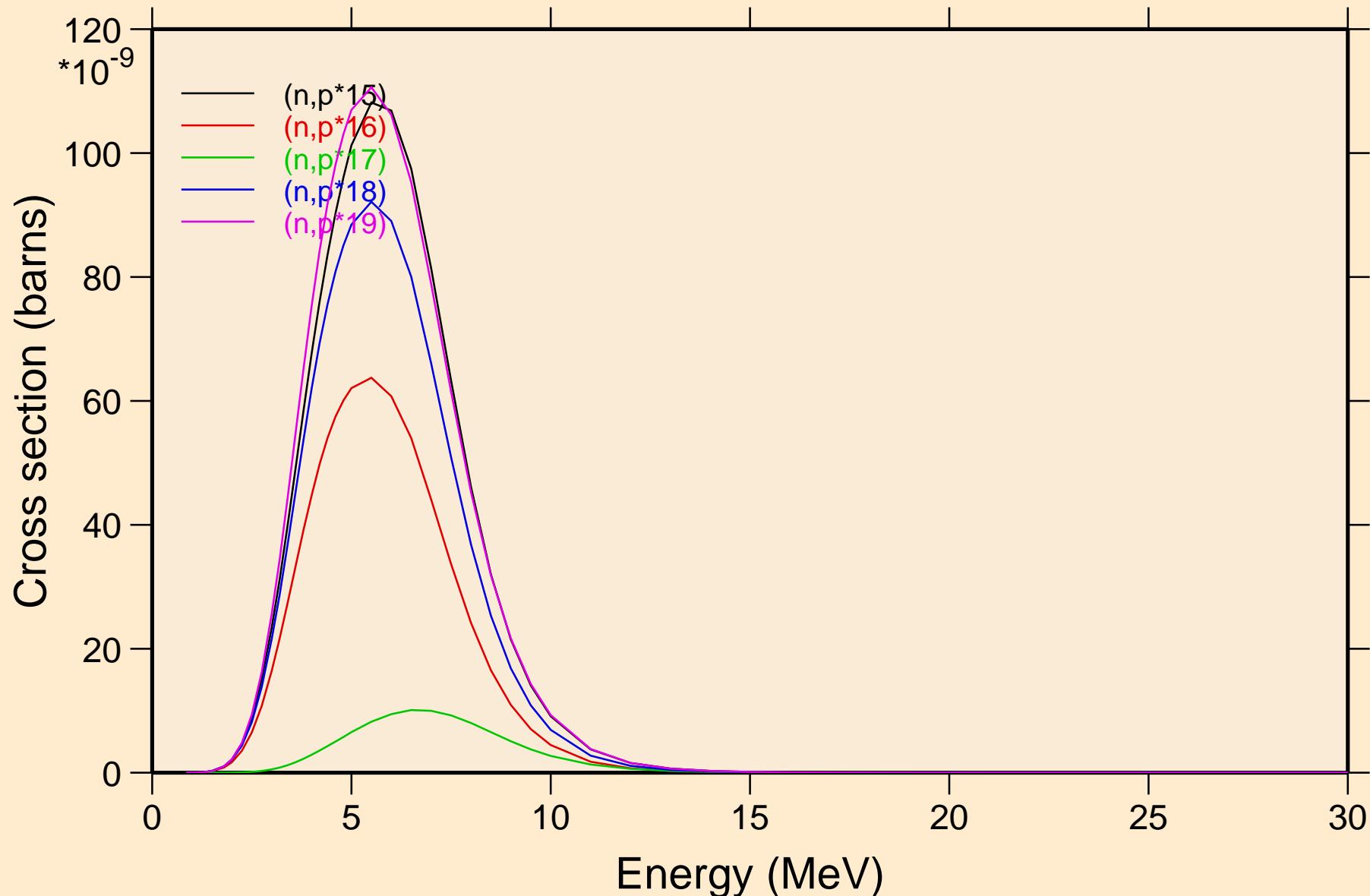
# ENDF/B-VII.1 TM-168

## Threshold reactions



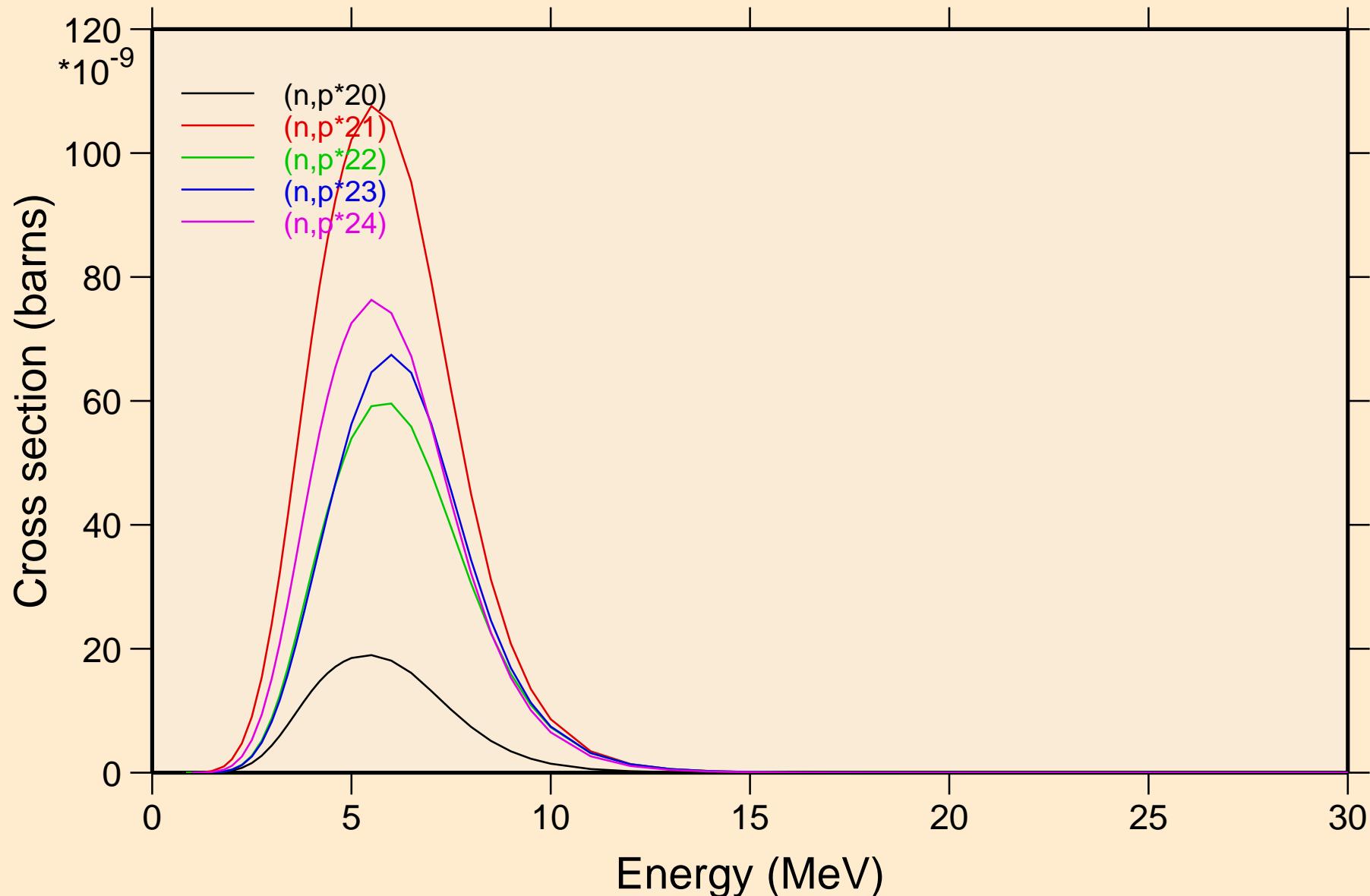
# ENDF/B-VII.1 TM-168

## Threshold reactions



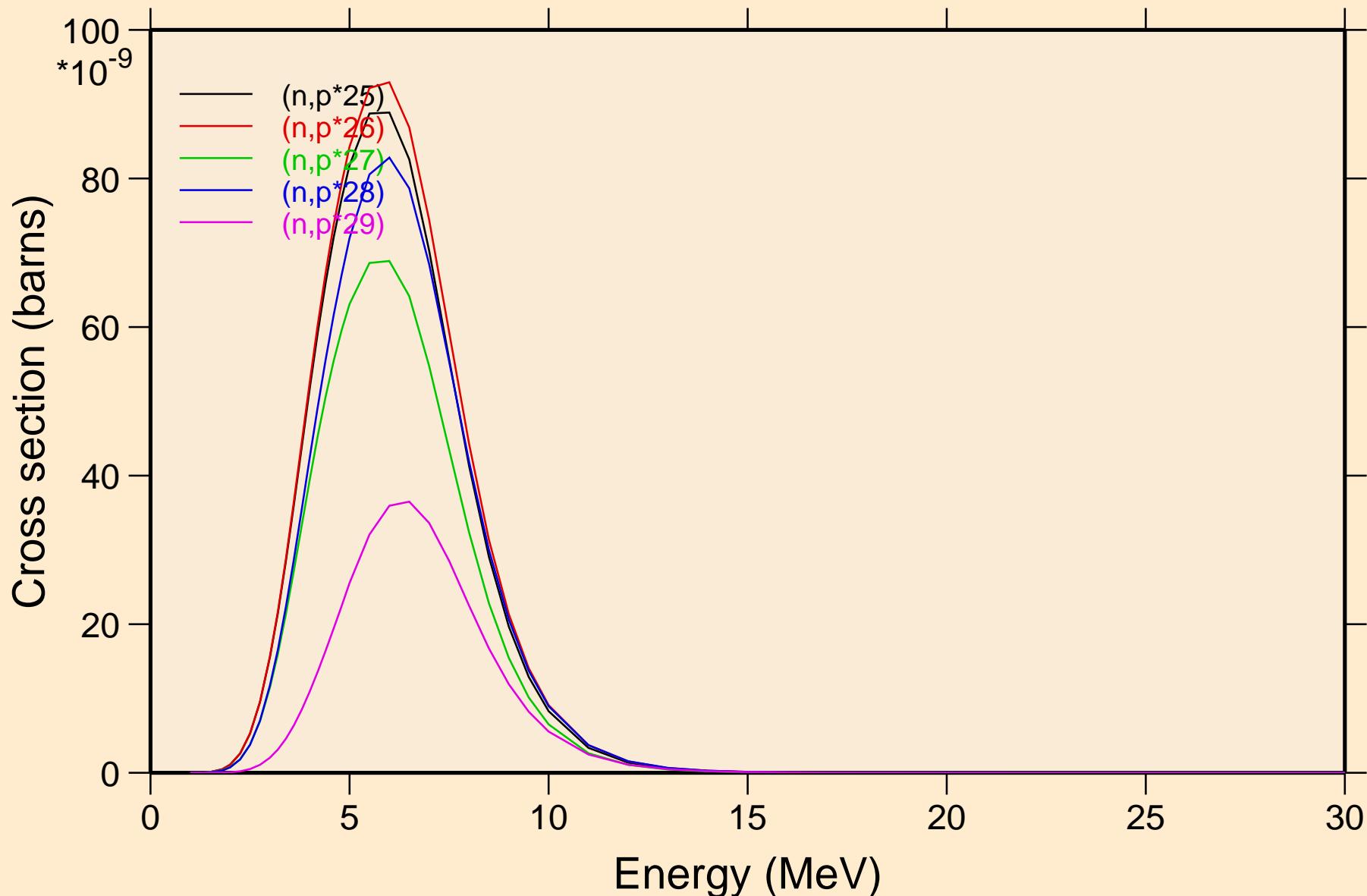
# ENDF/B-VII.1 TM-168

## Threshold reactions



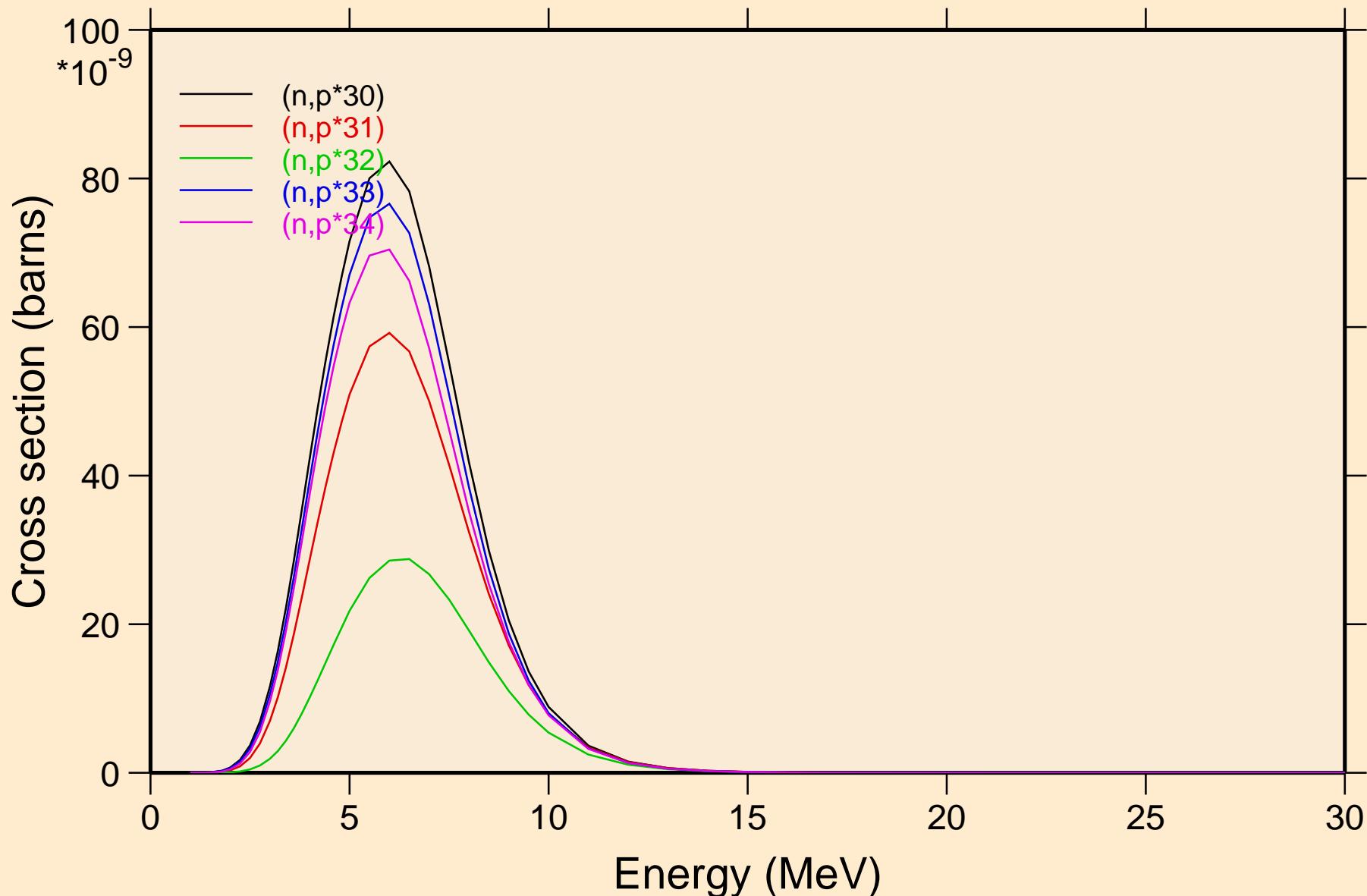
# ENDF/B-VII.1 TM-168

## Threshold reactions



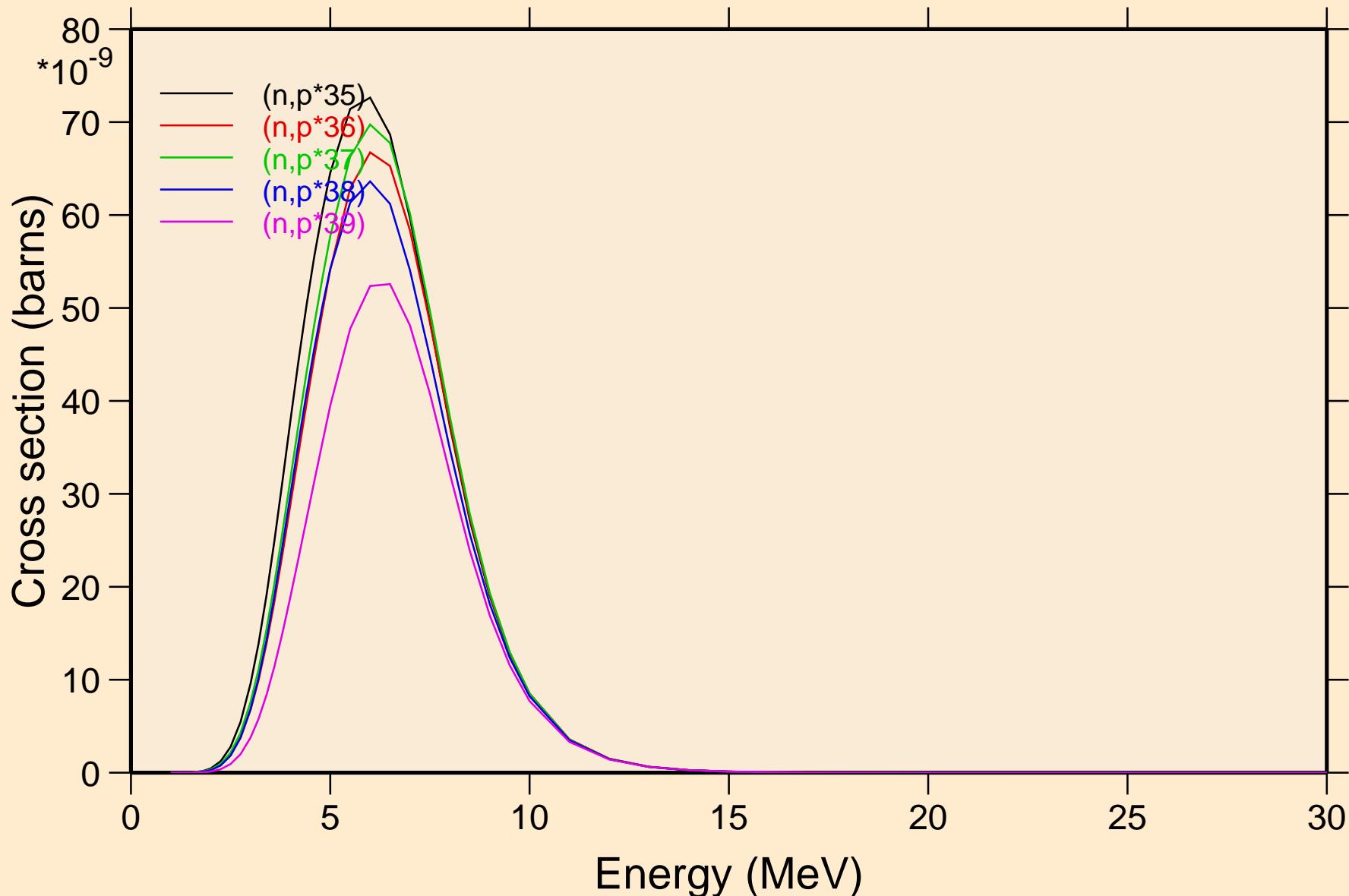
# ENDF/B-VII.1 TM-168

## Threshold reactions

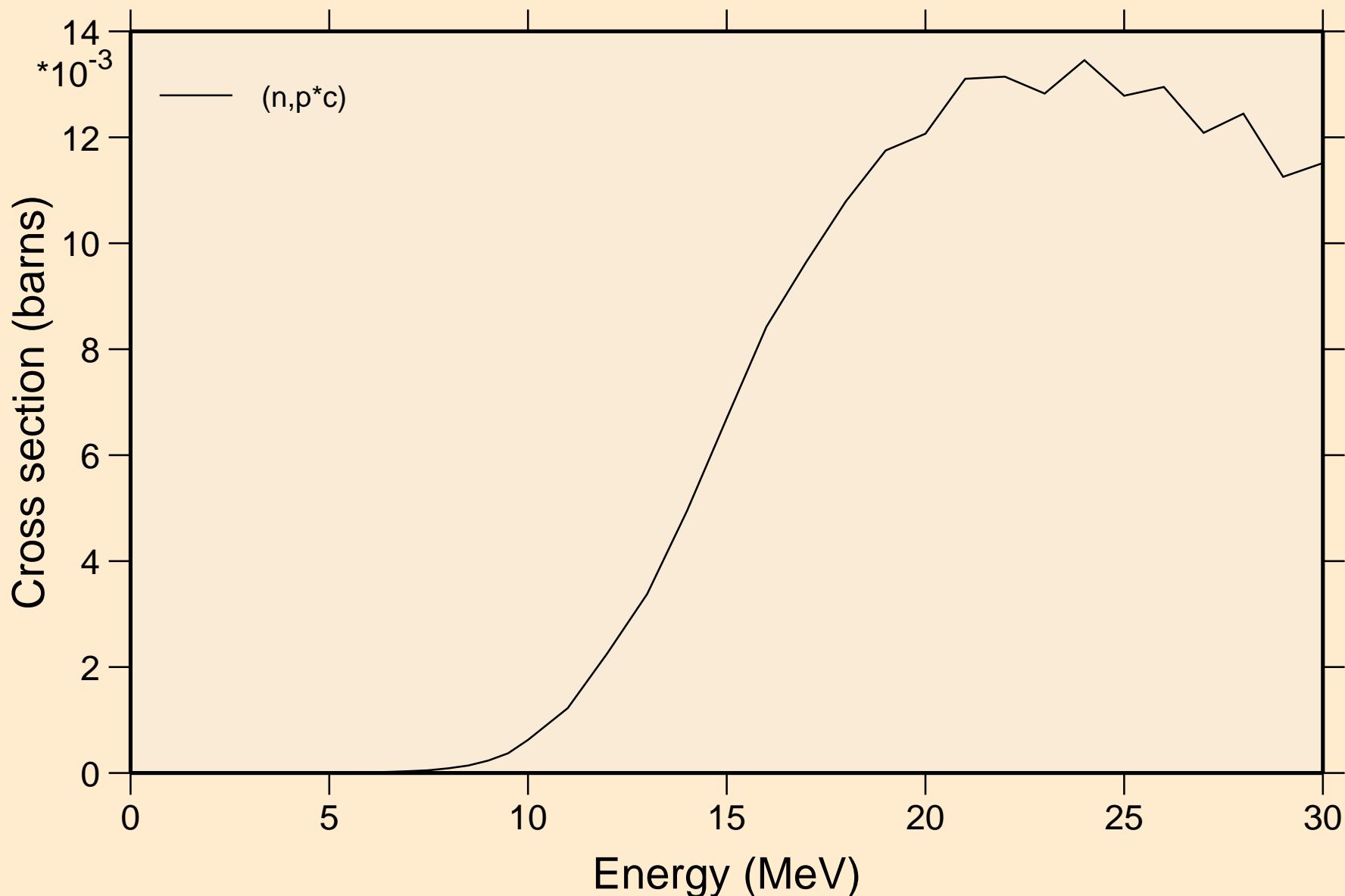


# ENDF/B-VII.1 TM-168

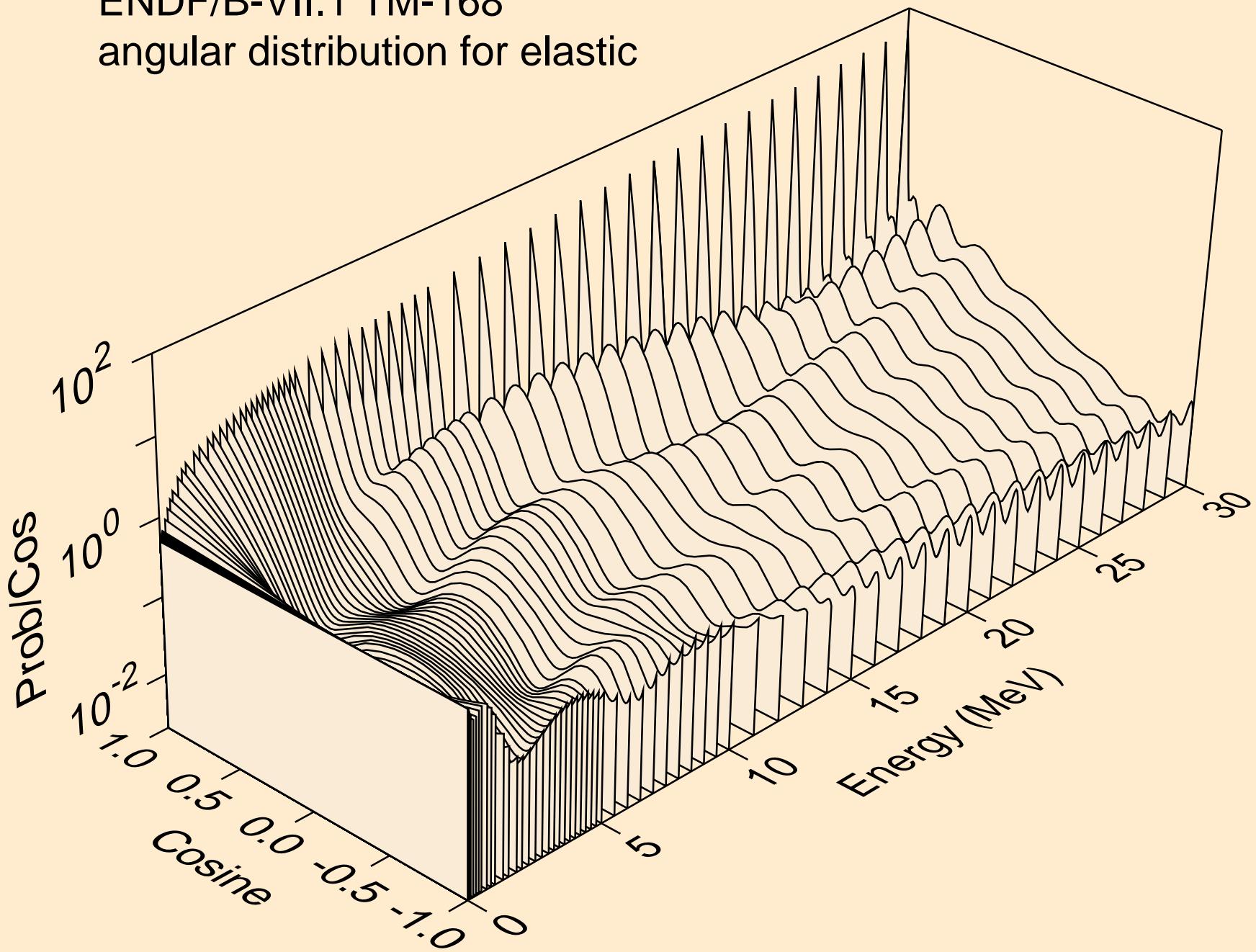
## Threshold reactions



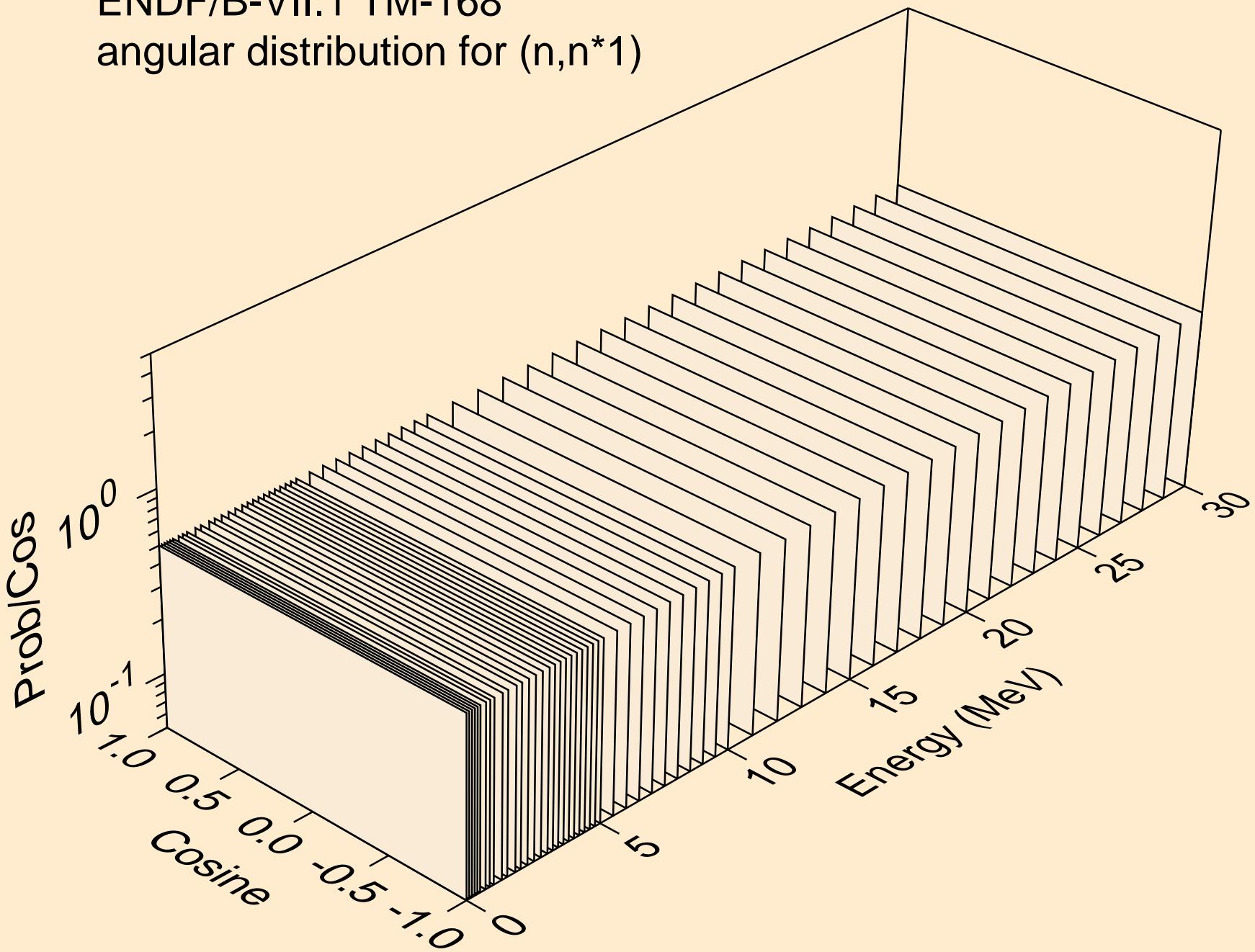
ENDF/B-VII.1 TM-168  
Threshold reactions



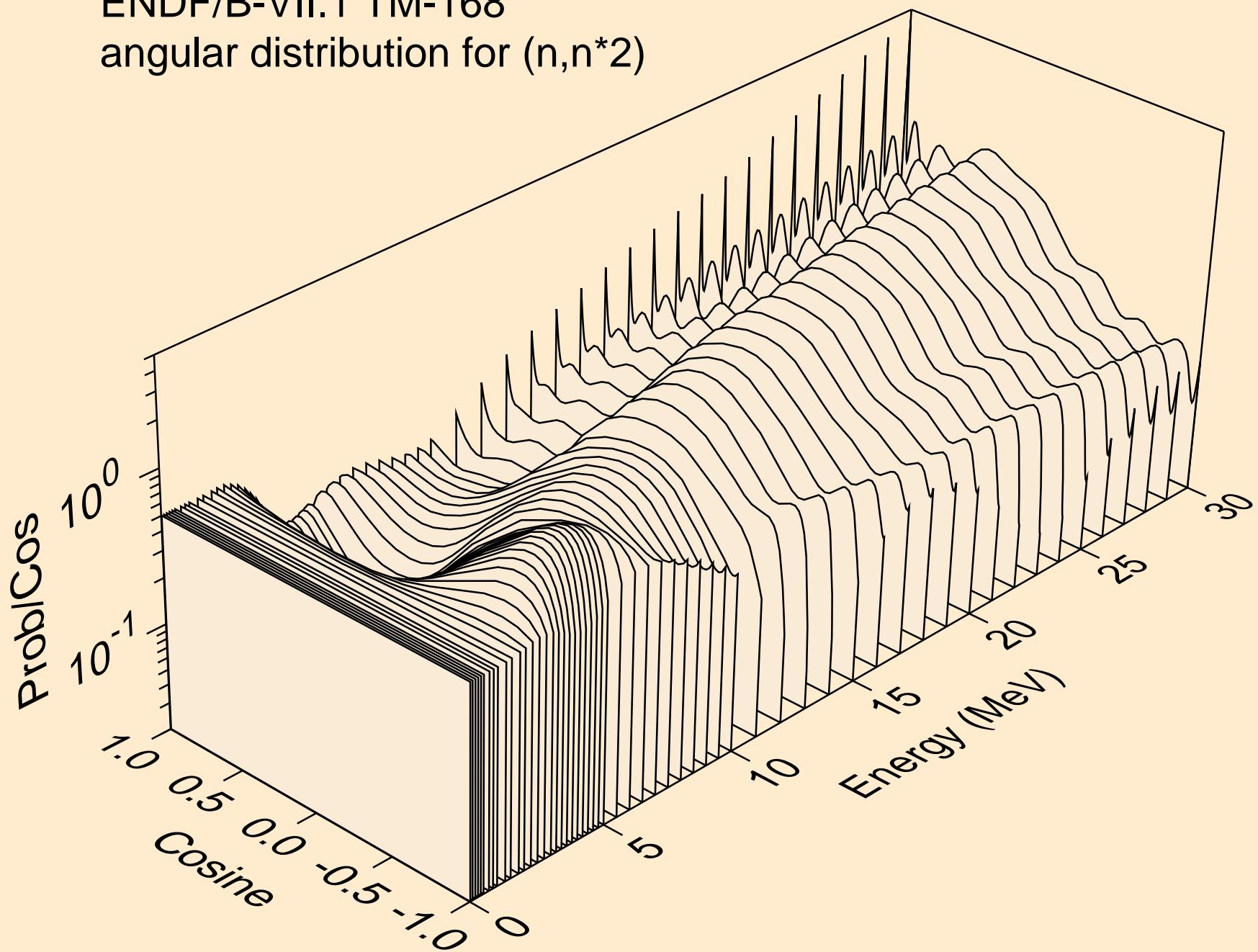
ENDF/B-VII.1 TM-168  
angular distribution for elastic



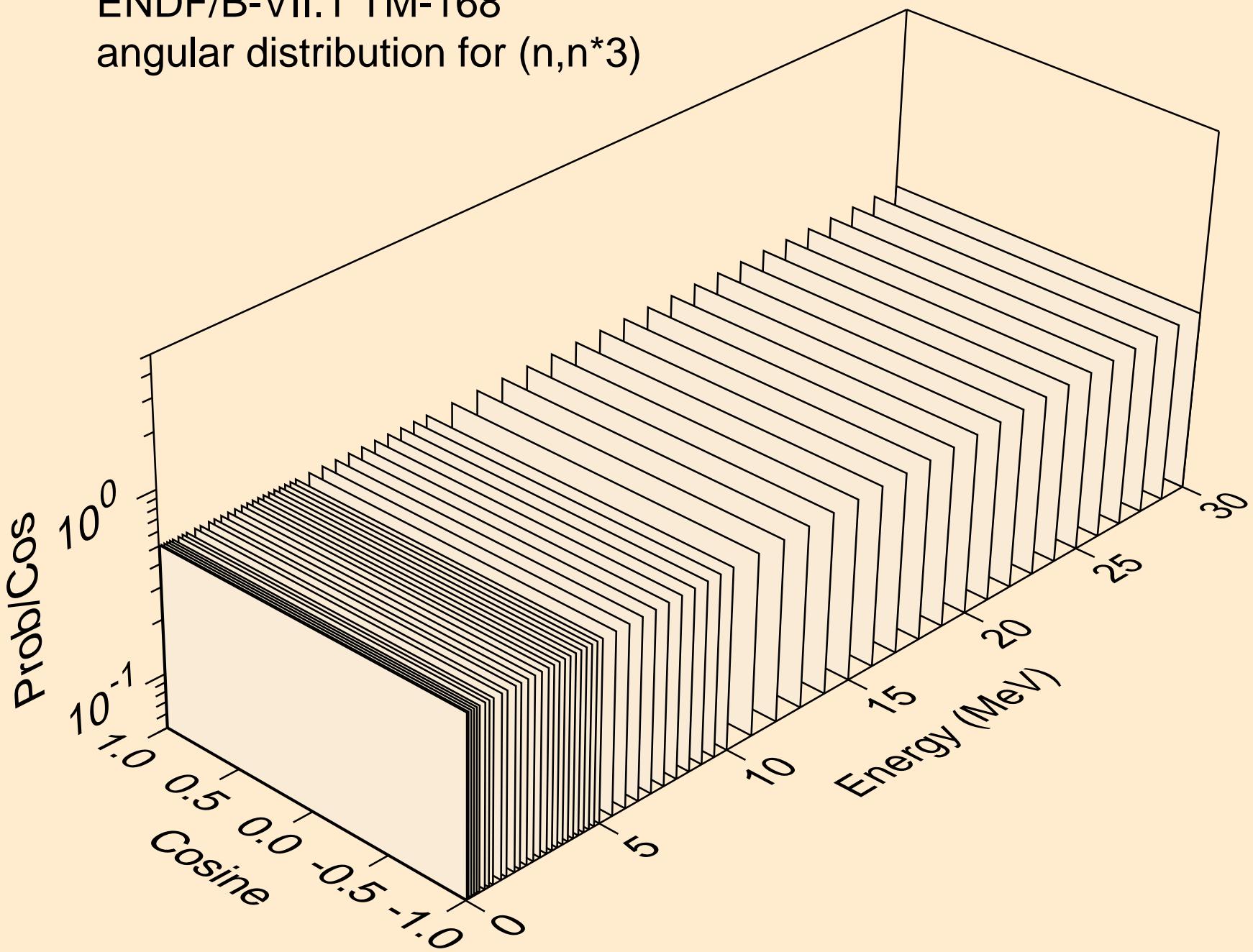
ENDF/B-VII.1 TM-168  
angular distribution for (n,n\*1)



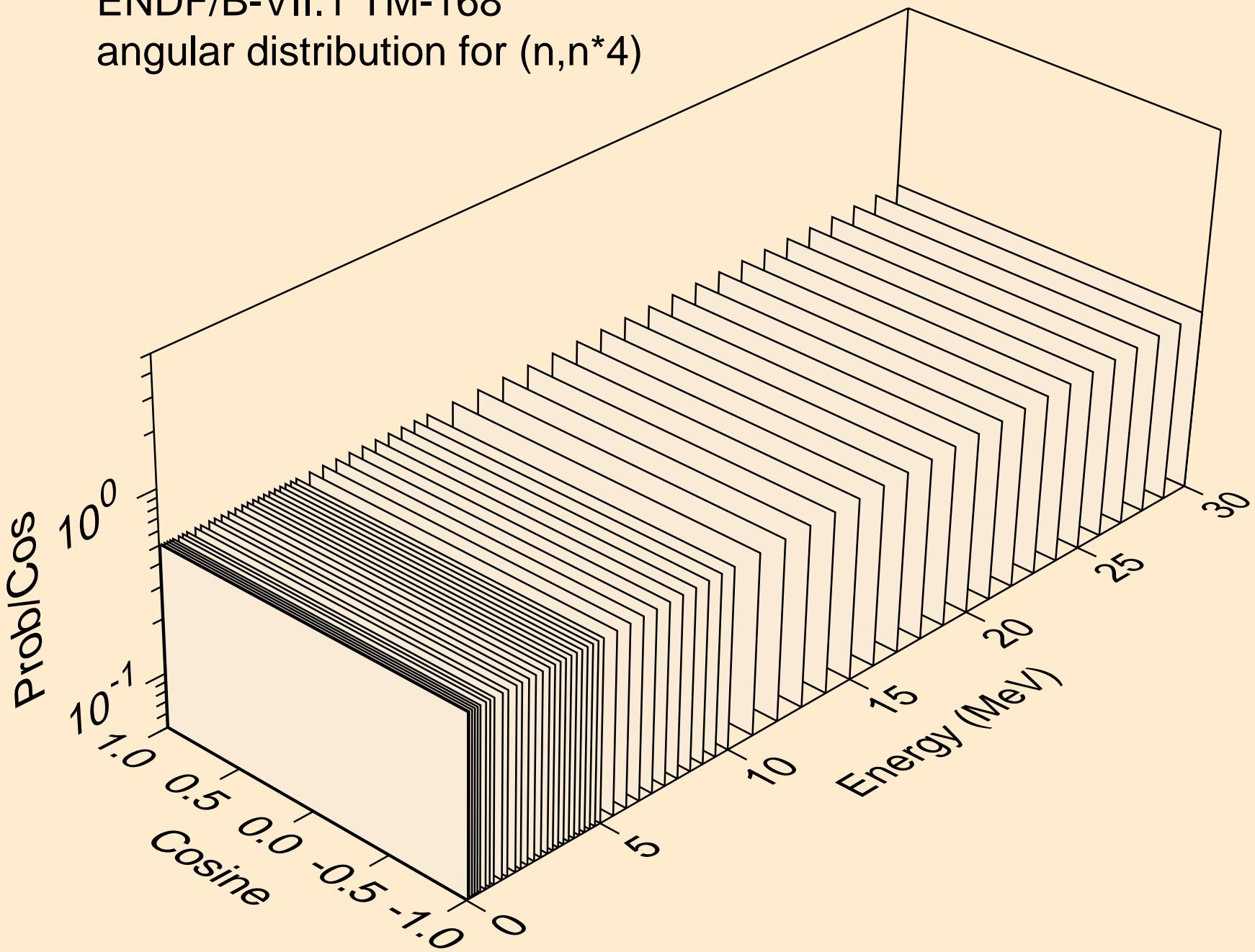
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*)^2$



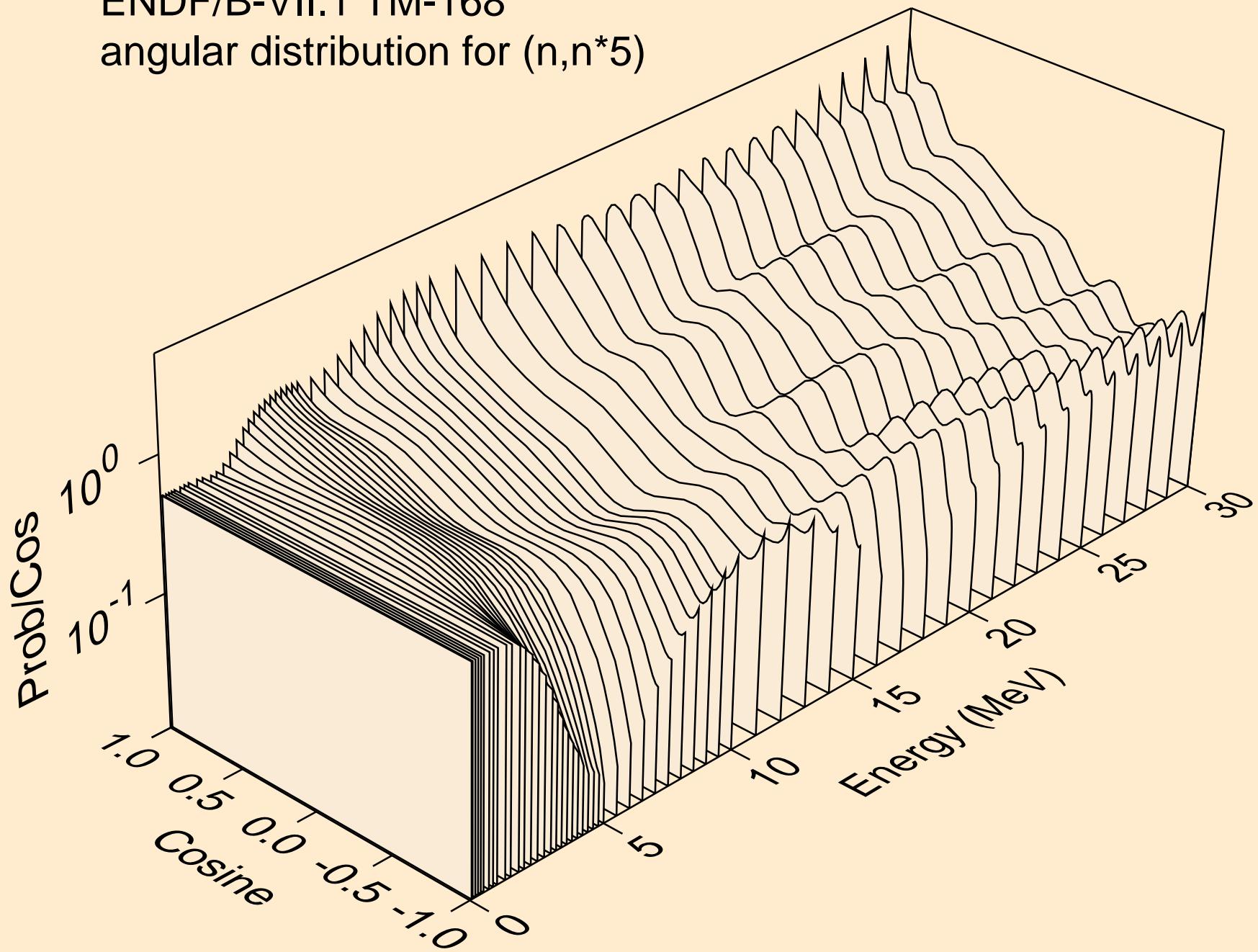
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*3)$



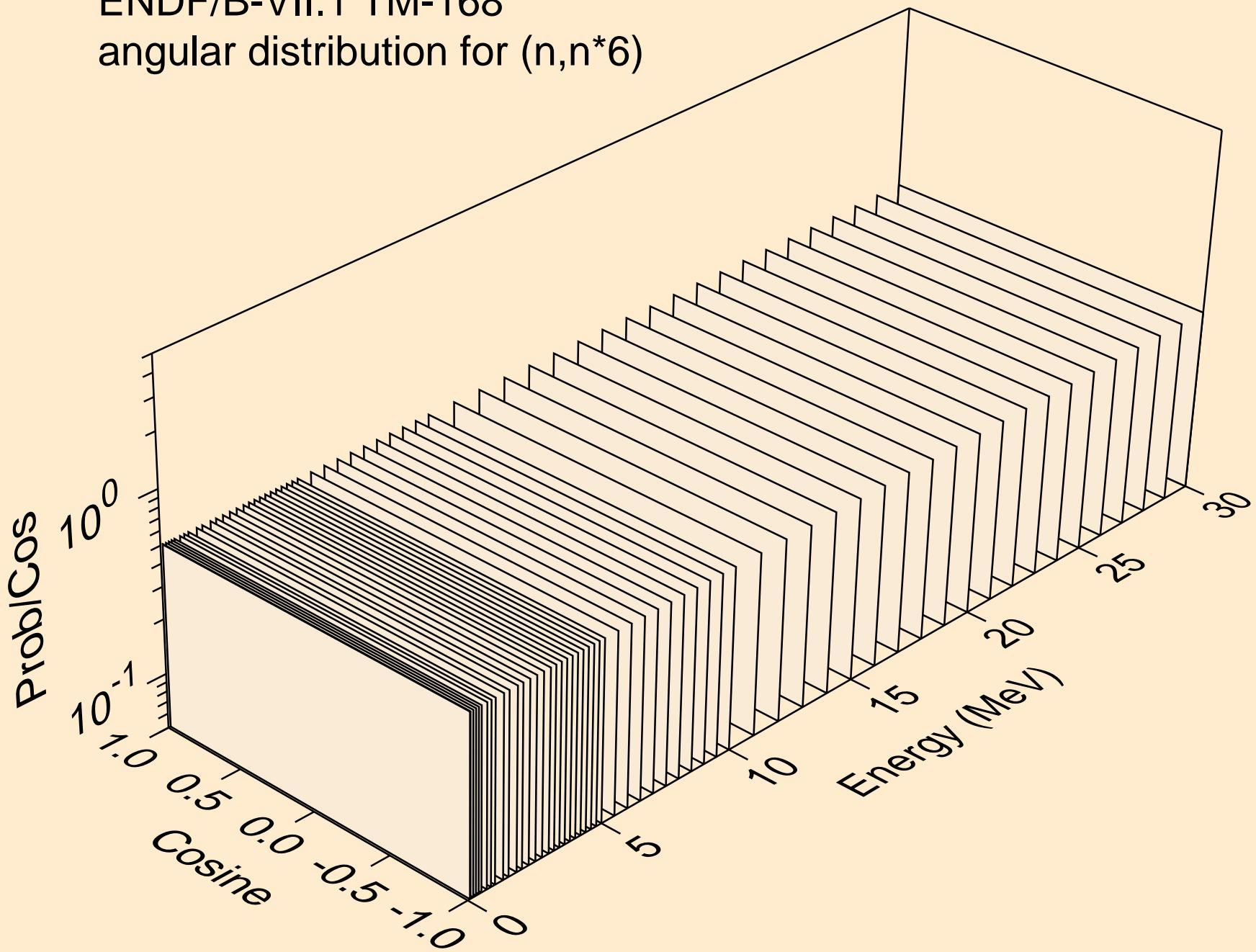
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angular distribution for  $(n,n^*4)$



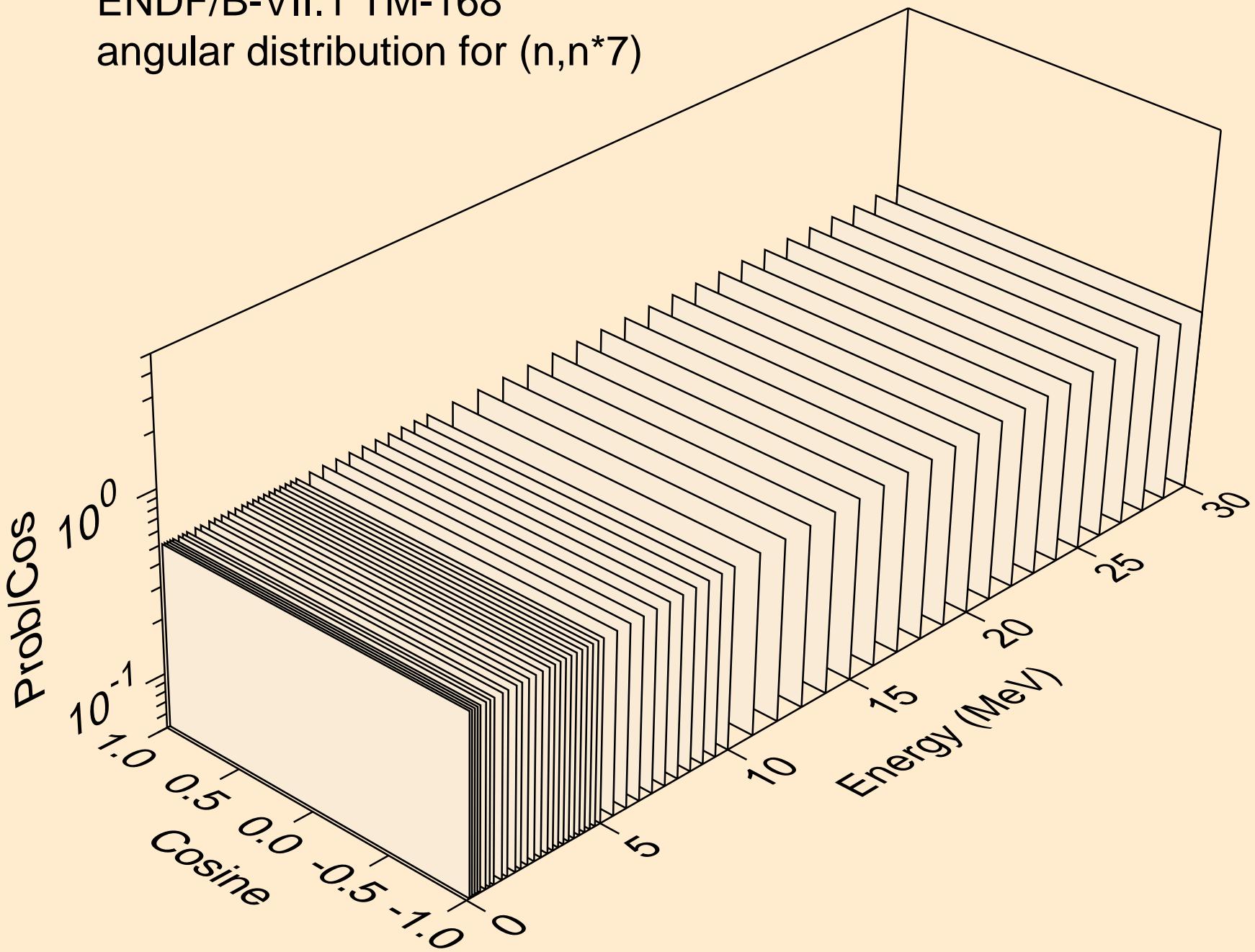
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angular distribution for  $(n,n^*5)$



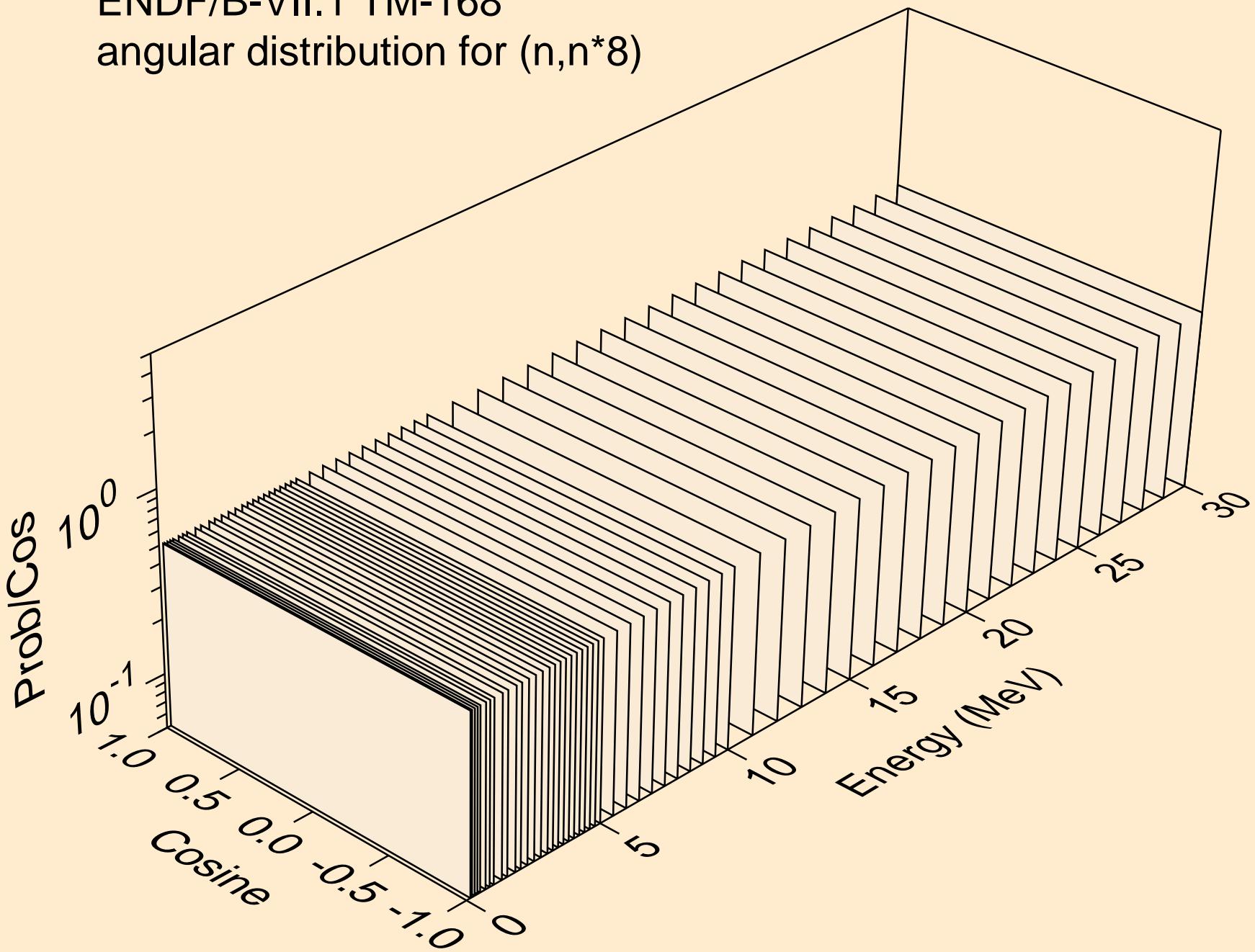
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angular distribution for  $(n,n^*6)$



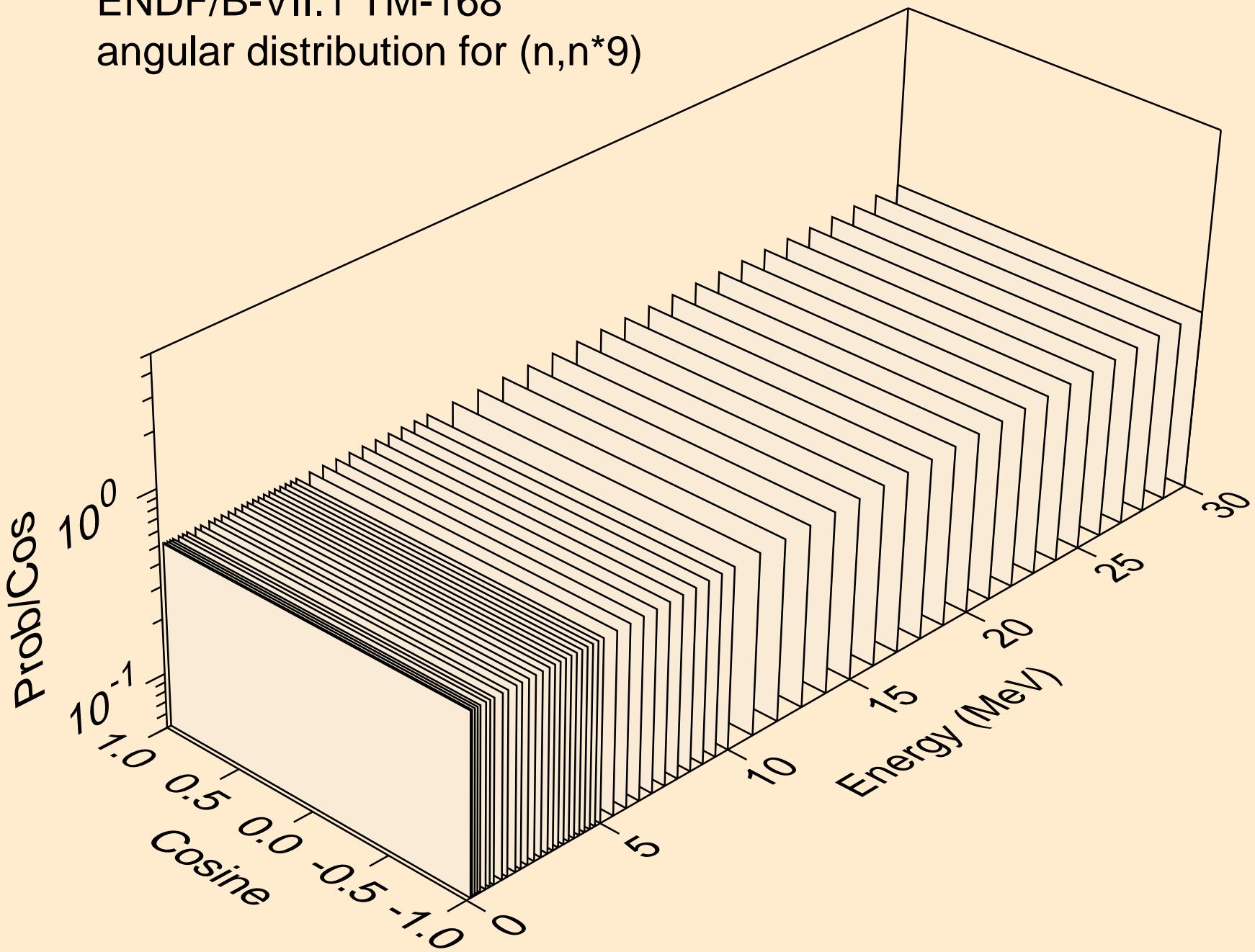
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angular distribution for  $(n,n^*7)$



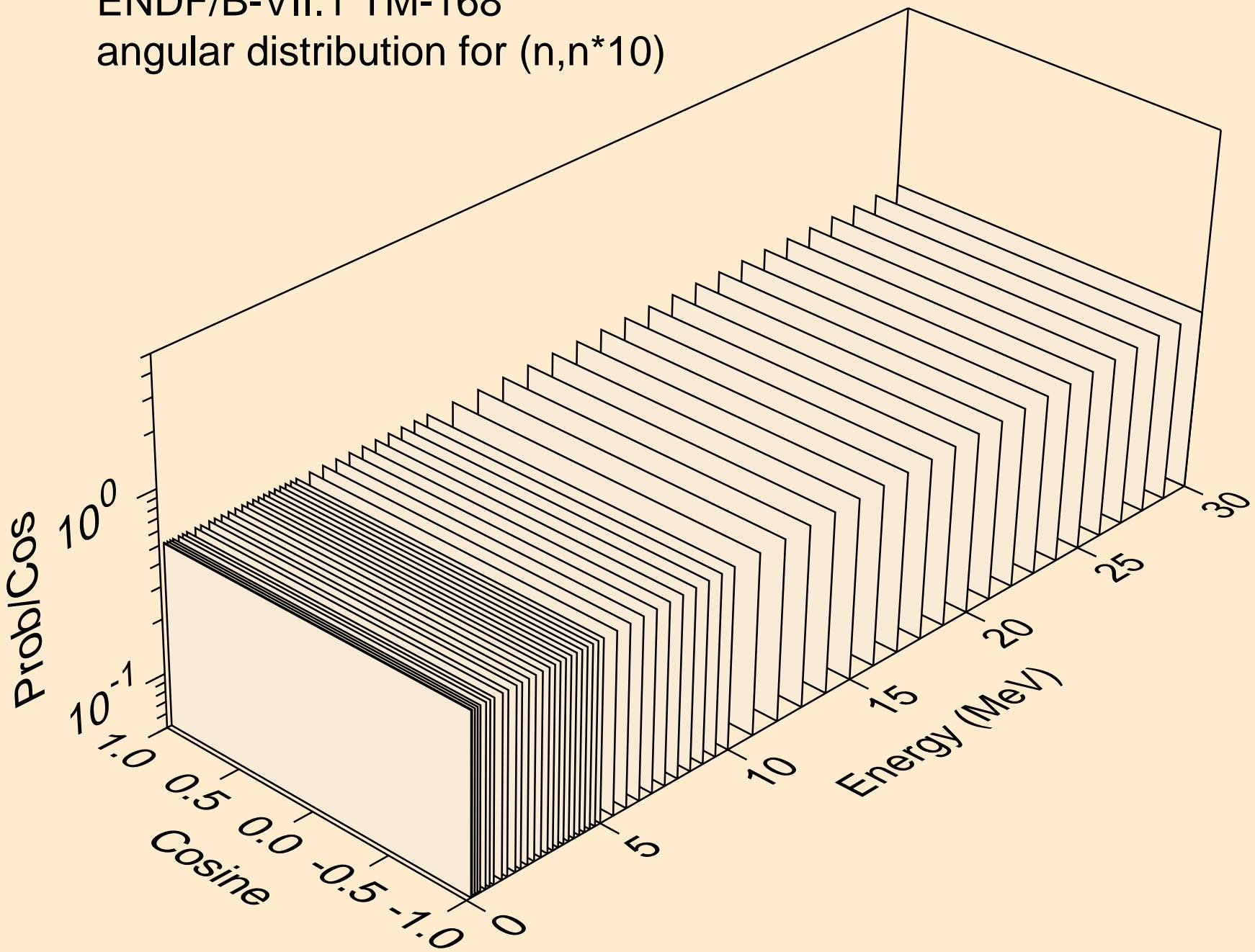
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angular distribution for  $(n,n^*8)$



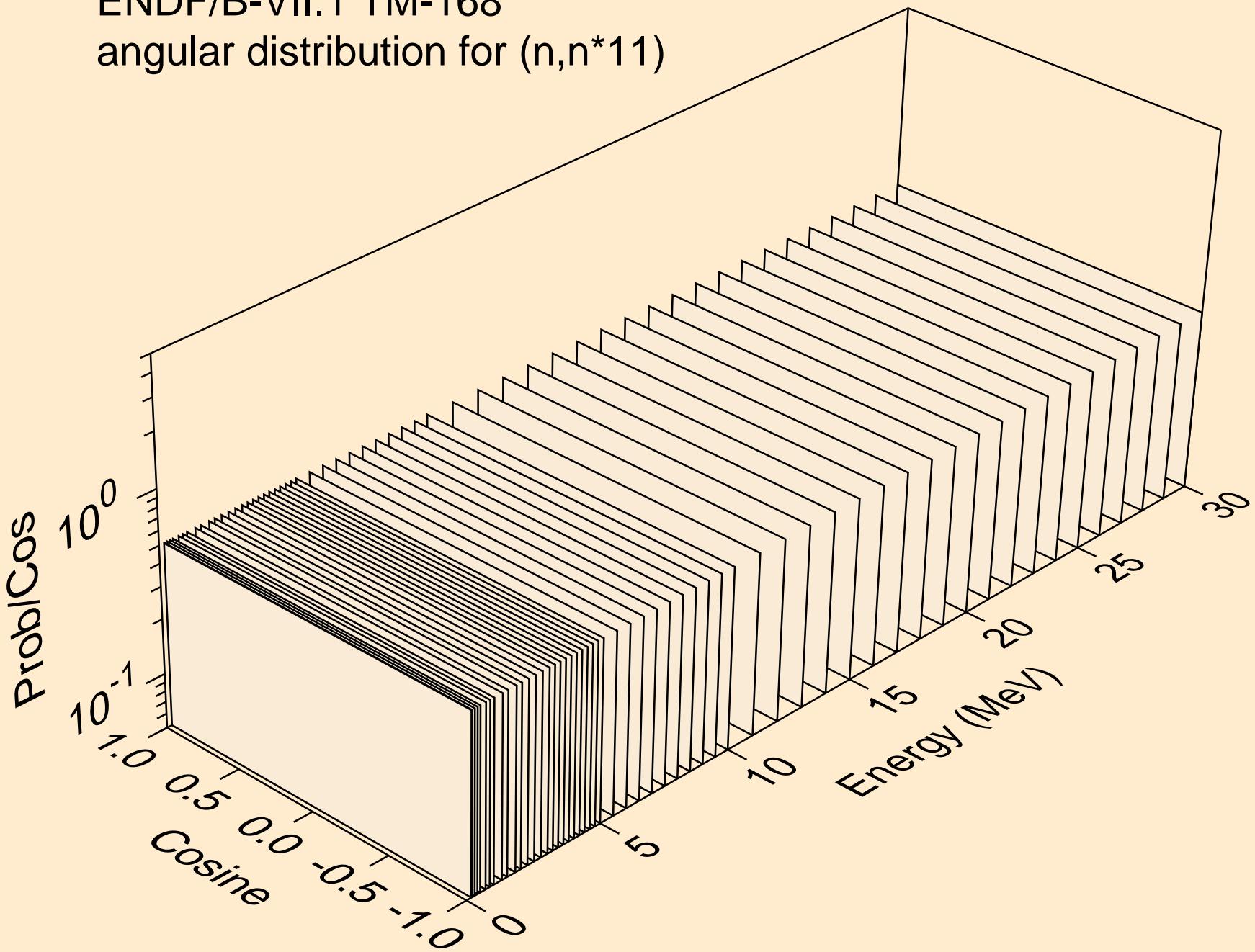
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angular distribution for  $(n,n^*9)$



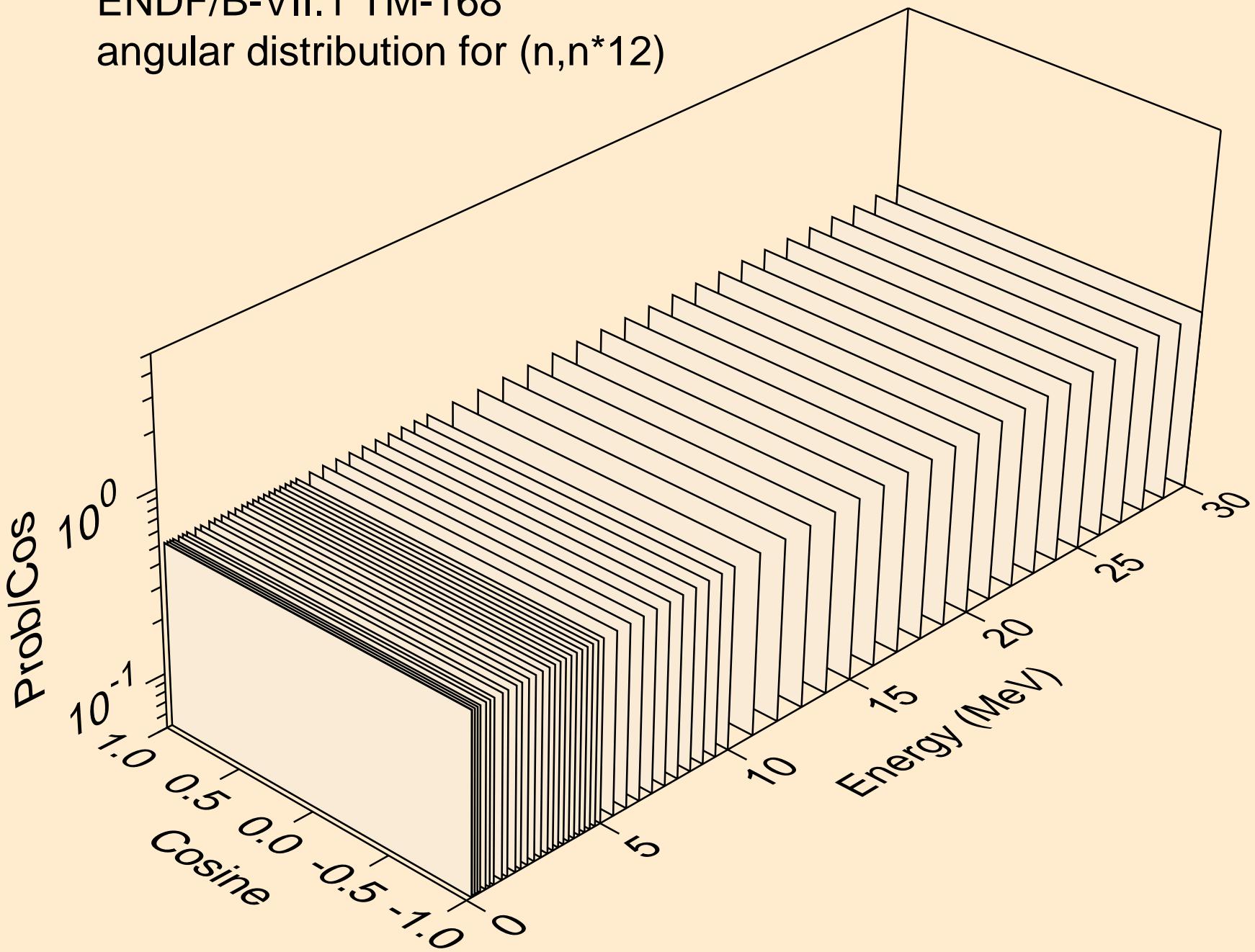
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angular distribution for (n,n\*10)



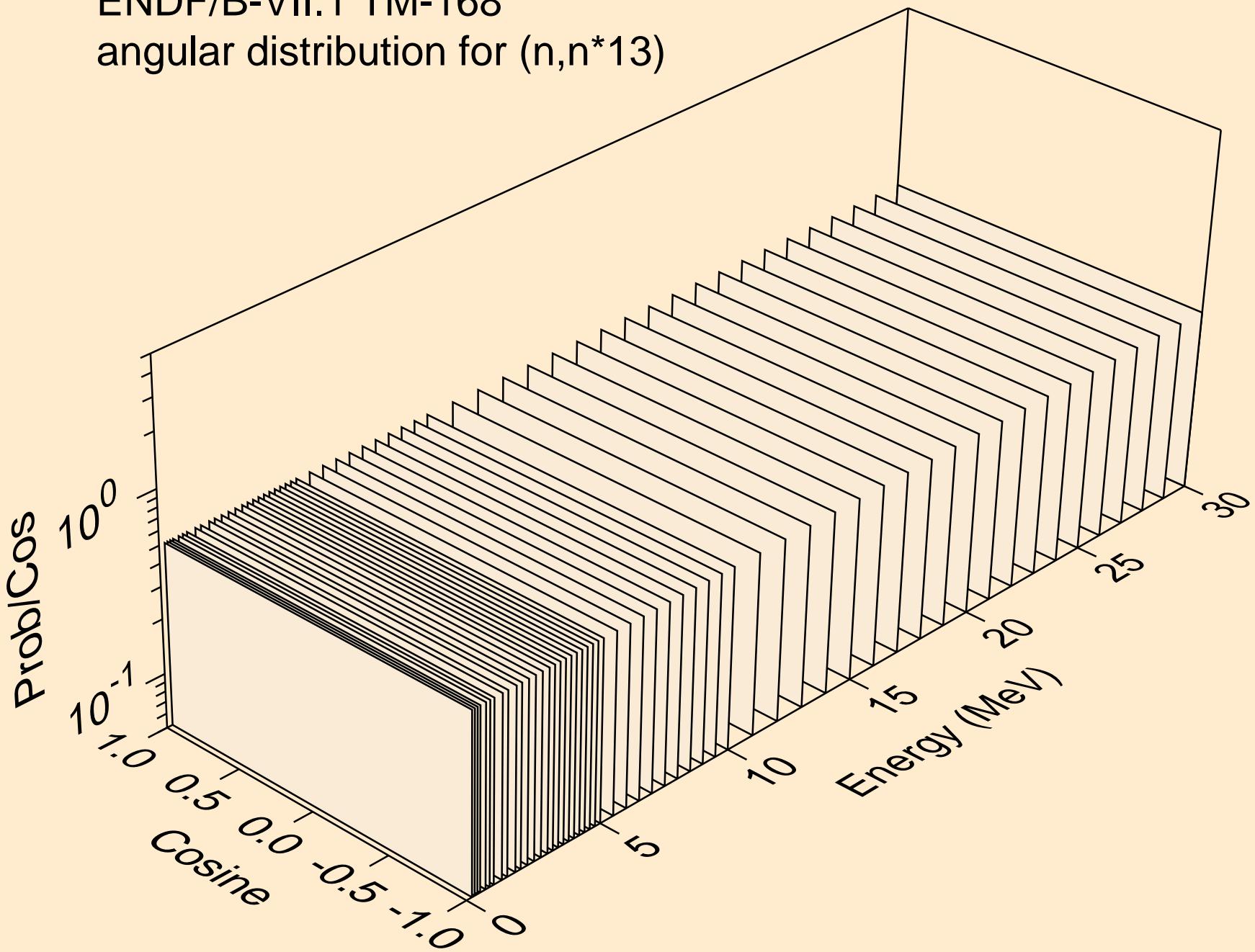
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*11)$



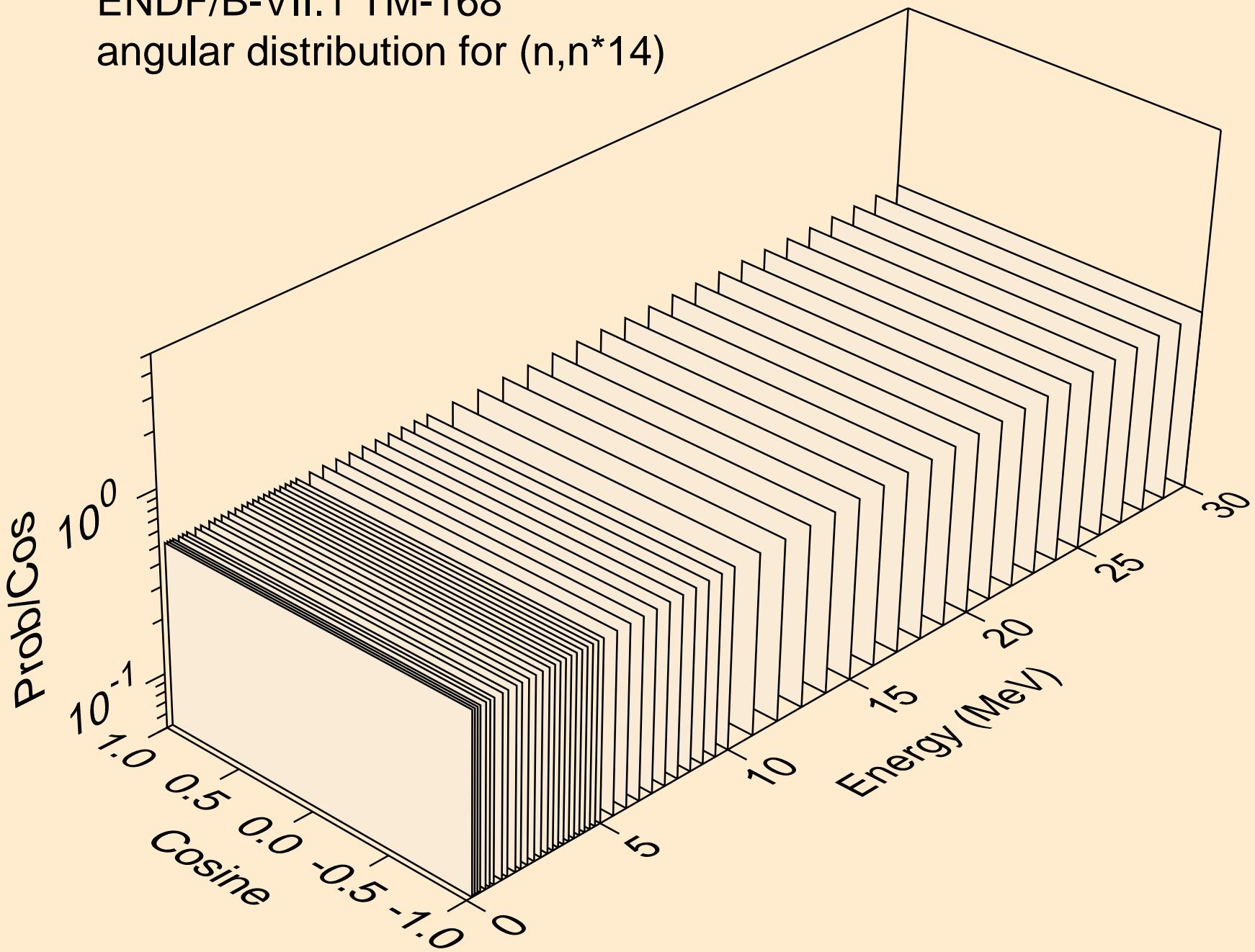
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angular distribution for  $(n,n^*12)$



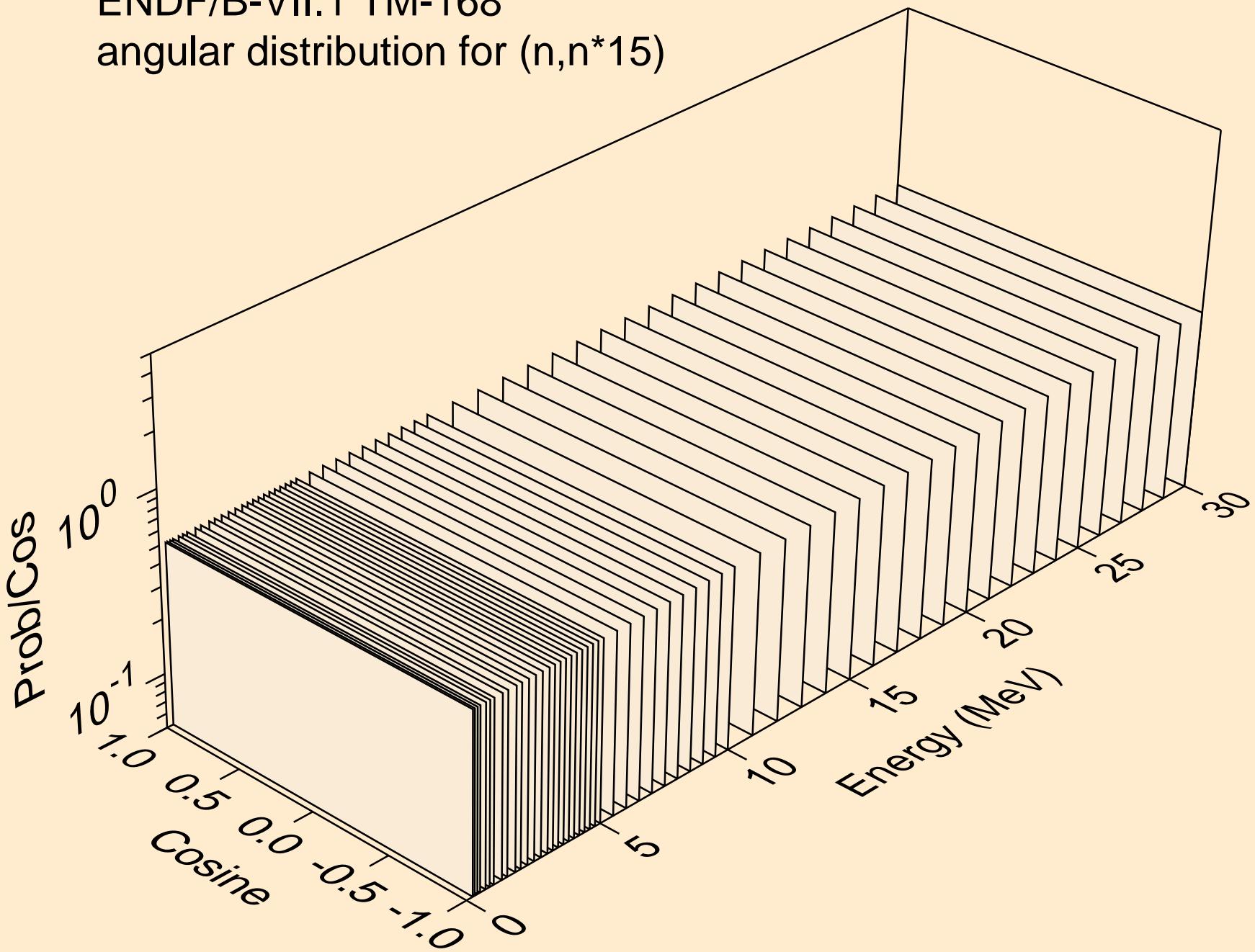
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*13)$



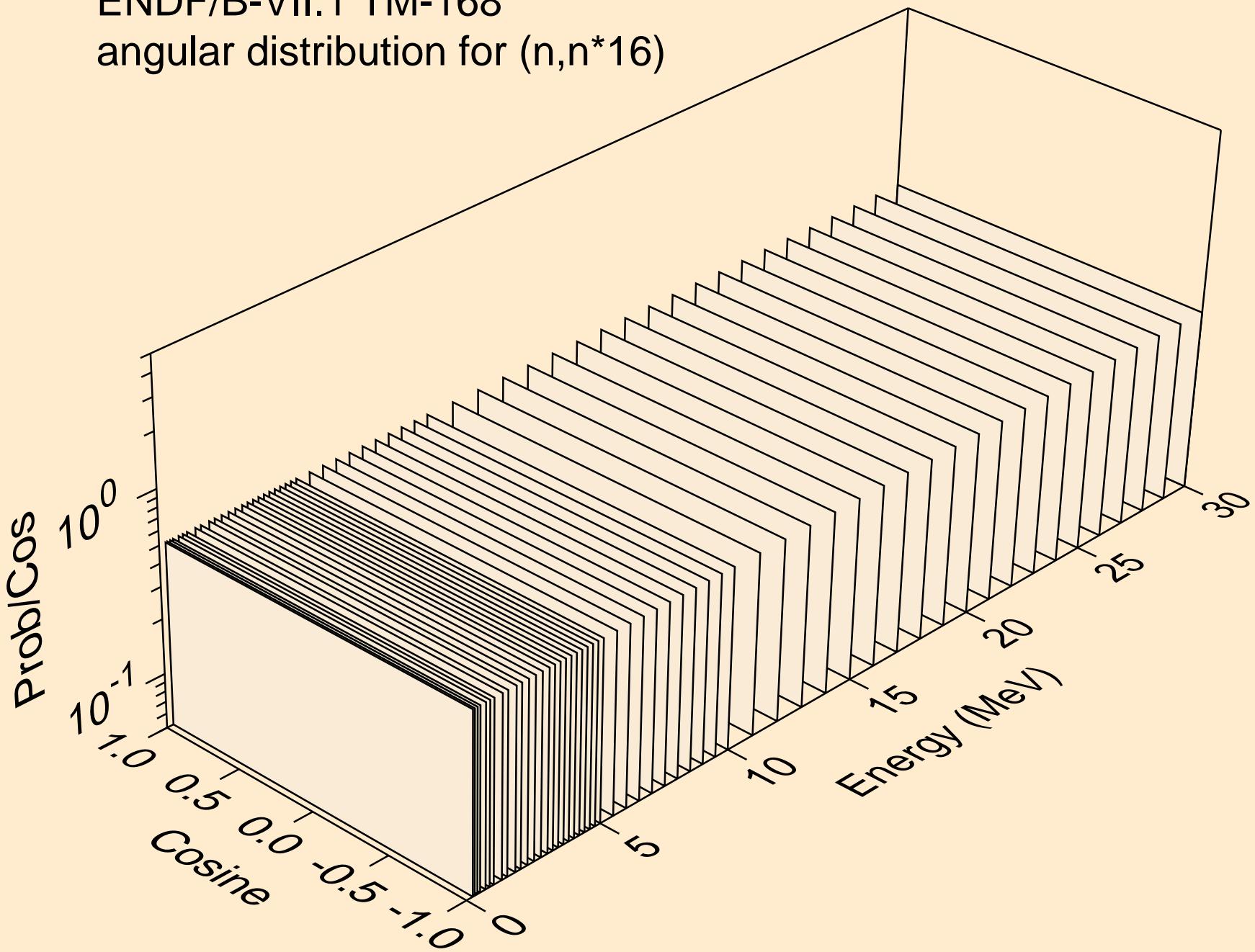
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angular distribution for (n,n\*14)



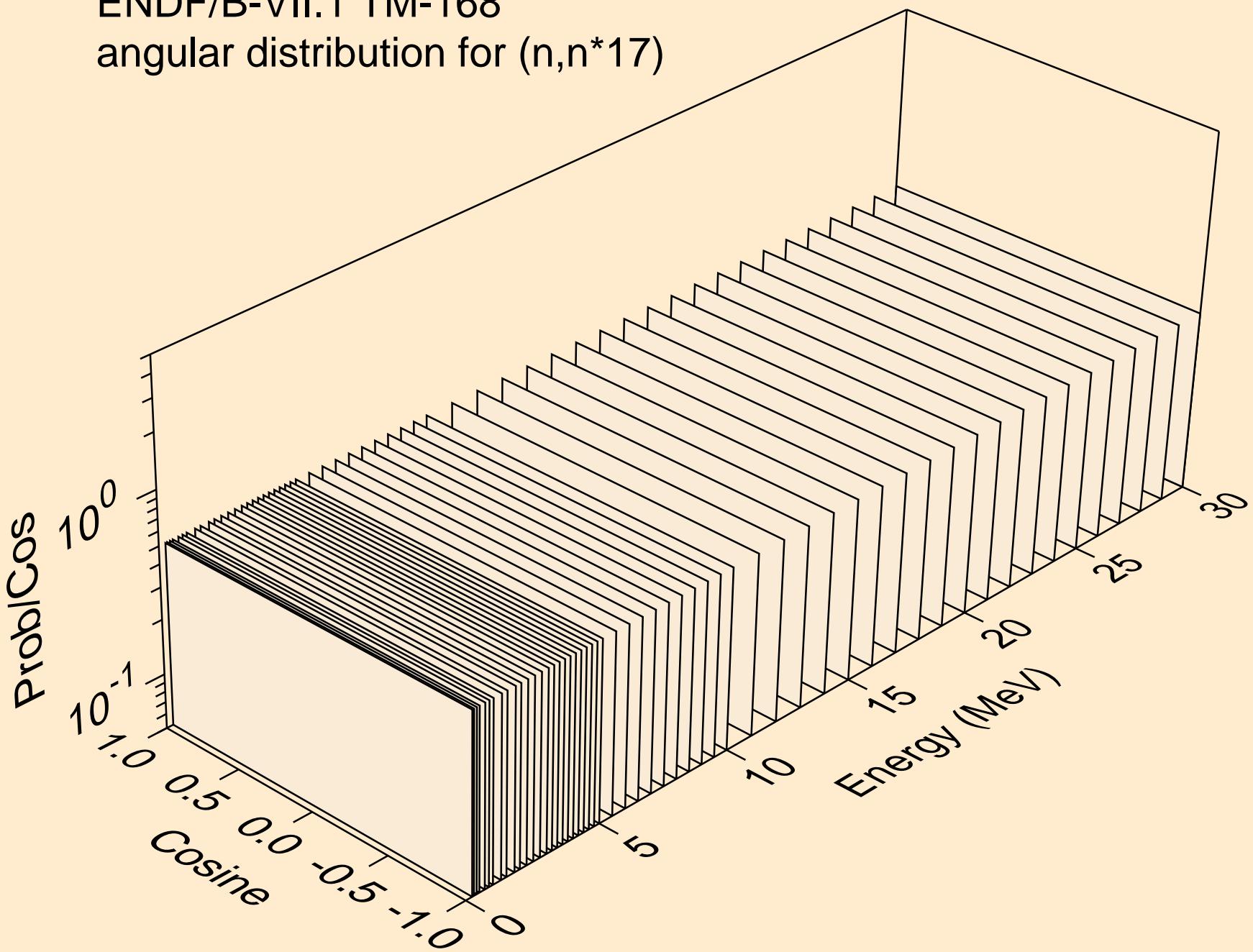
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*15)$



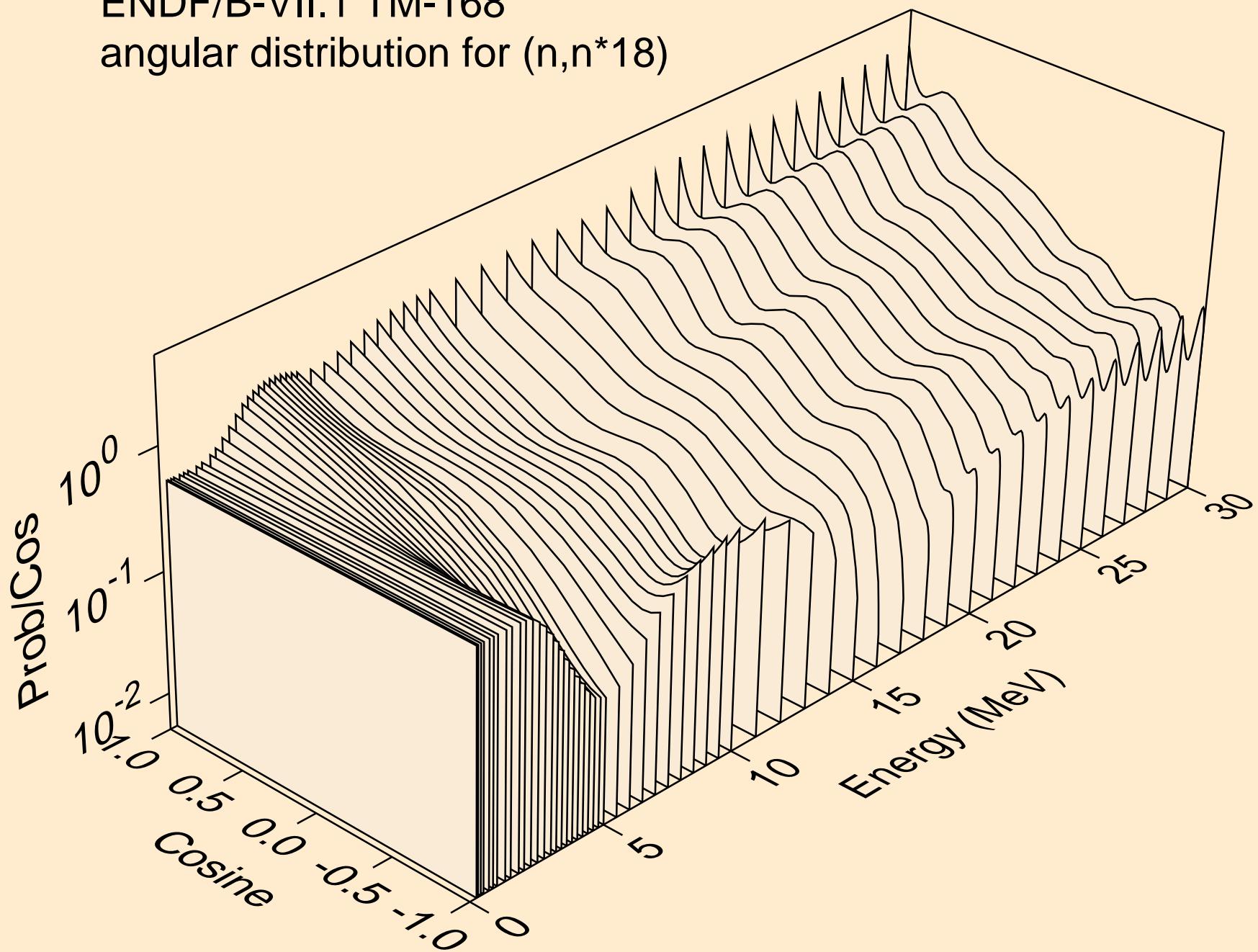
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*16)$



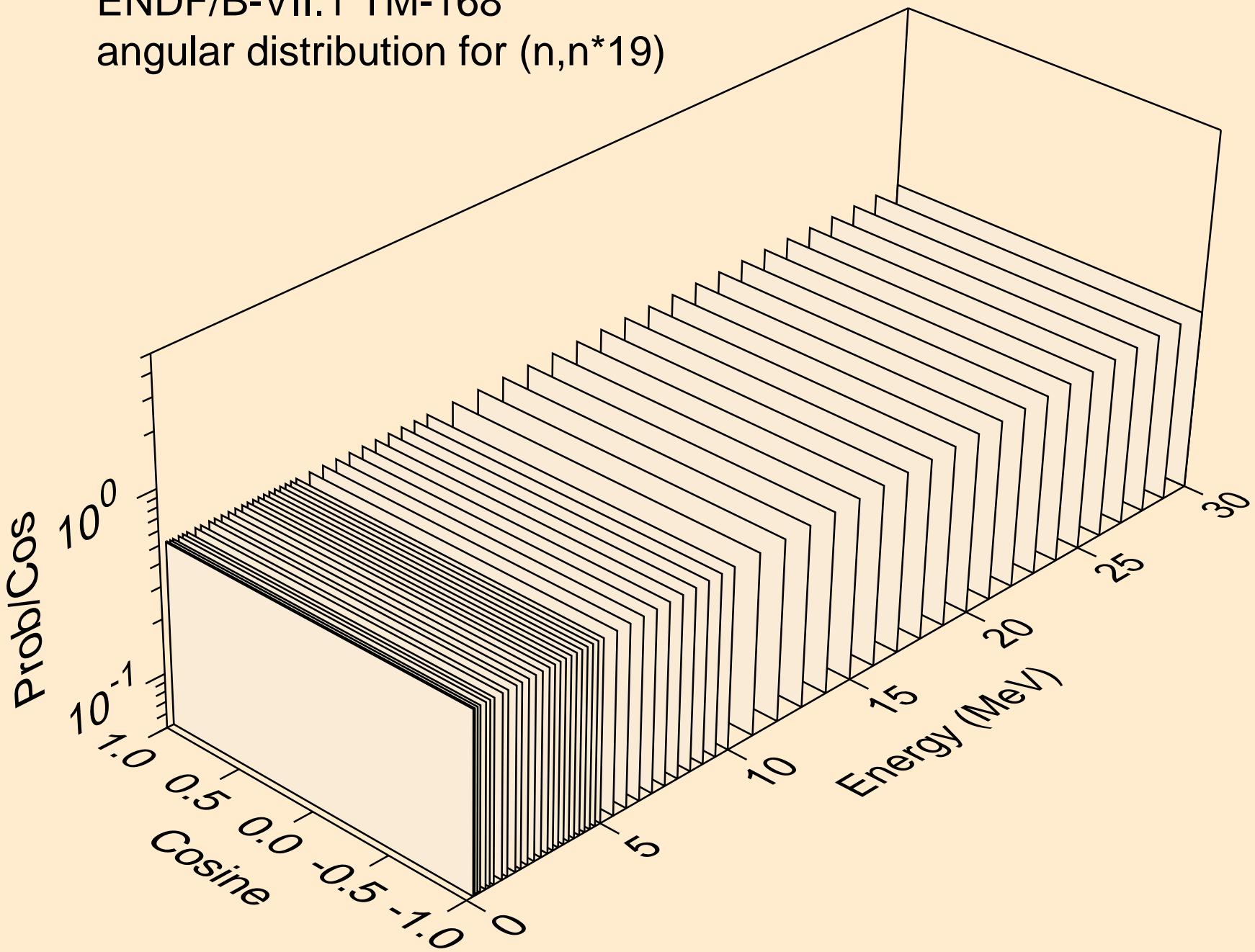
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*17)$



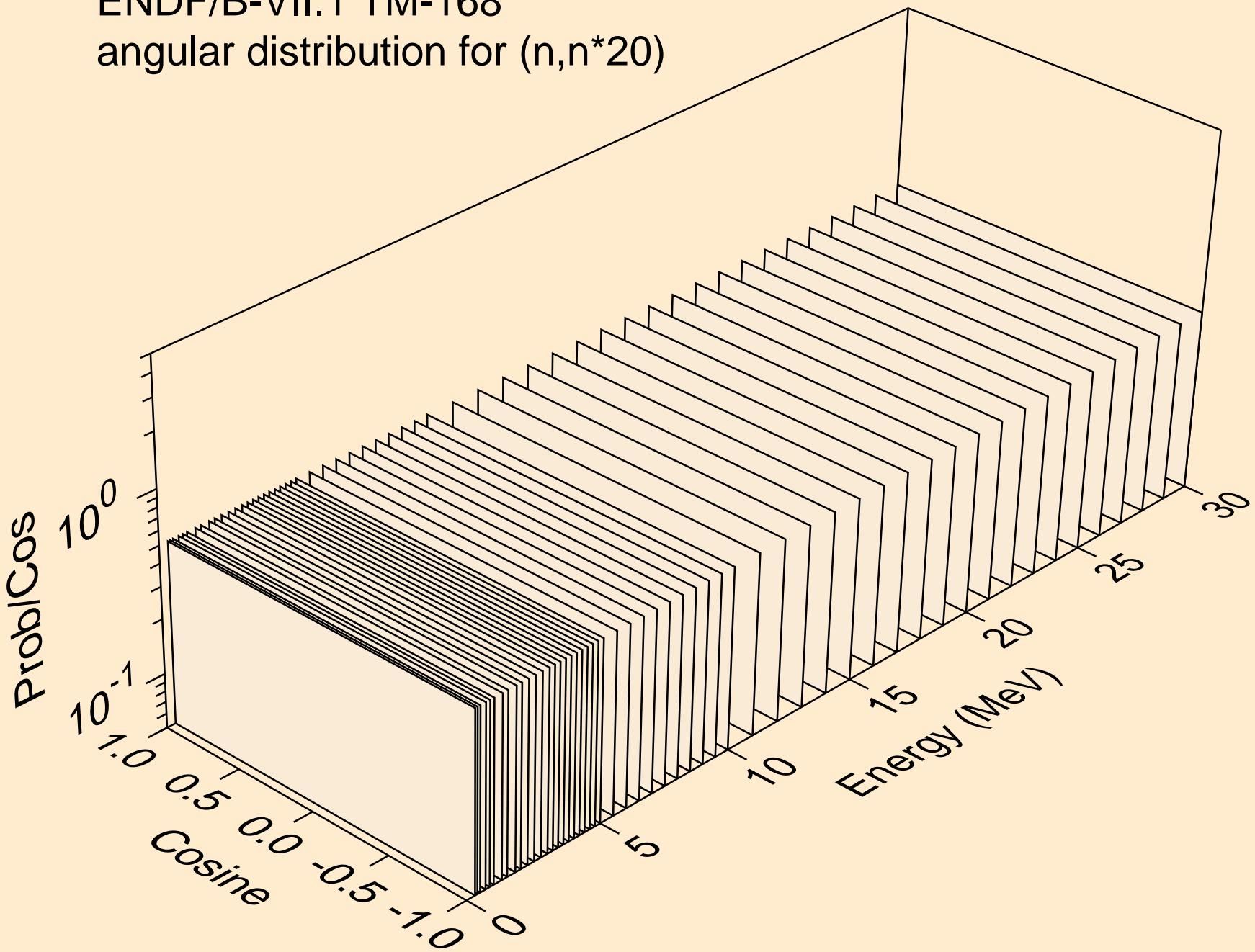
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angular distribution for  $(n,n^*18)$



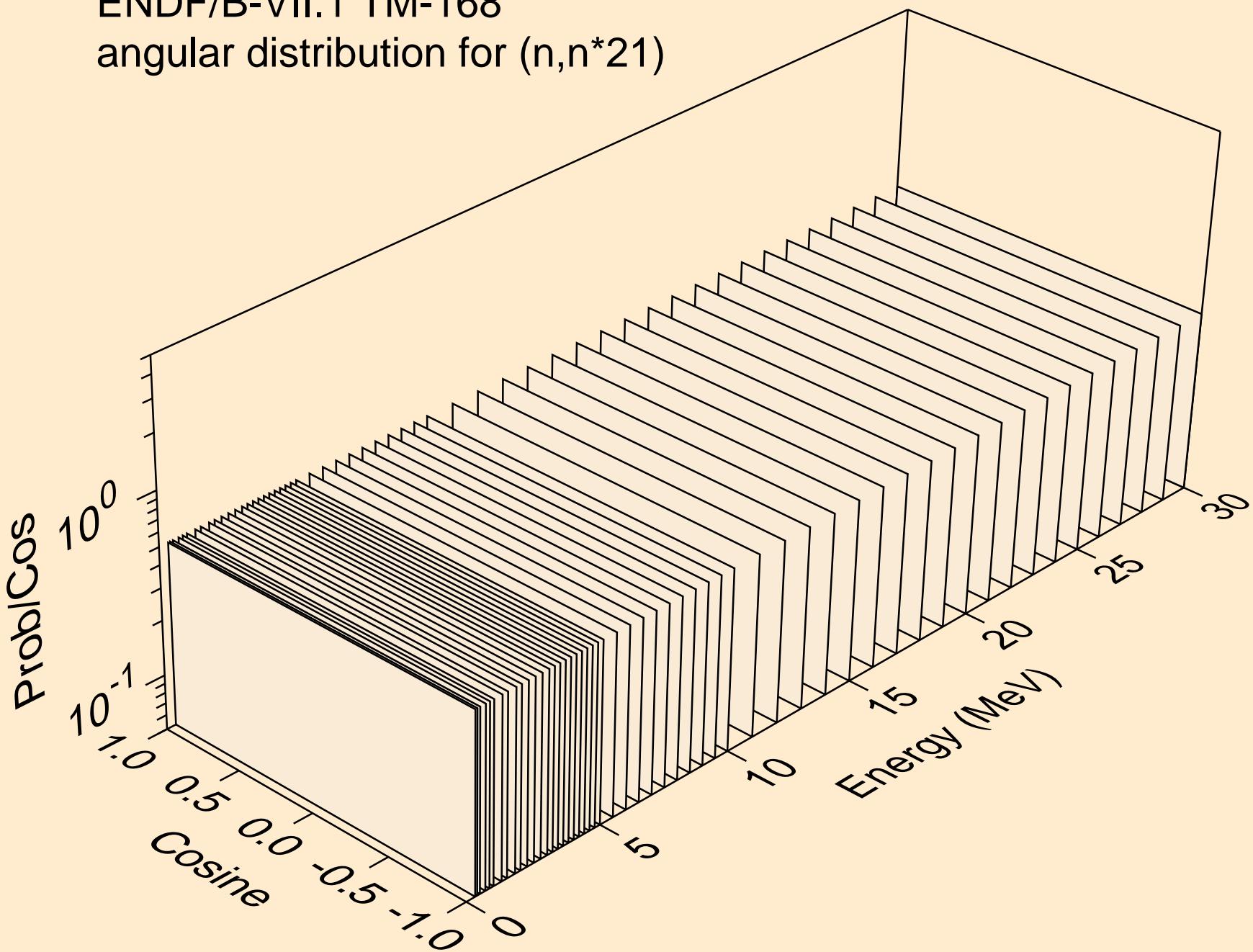
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angular distribution for  $(n,n^*19)$



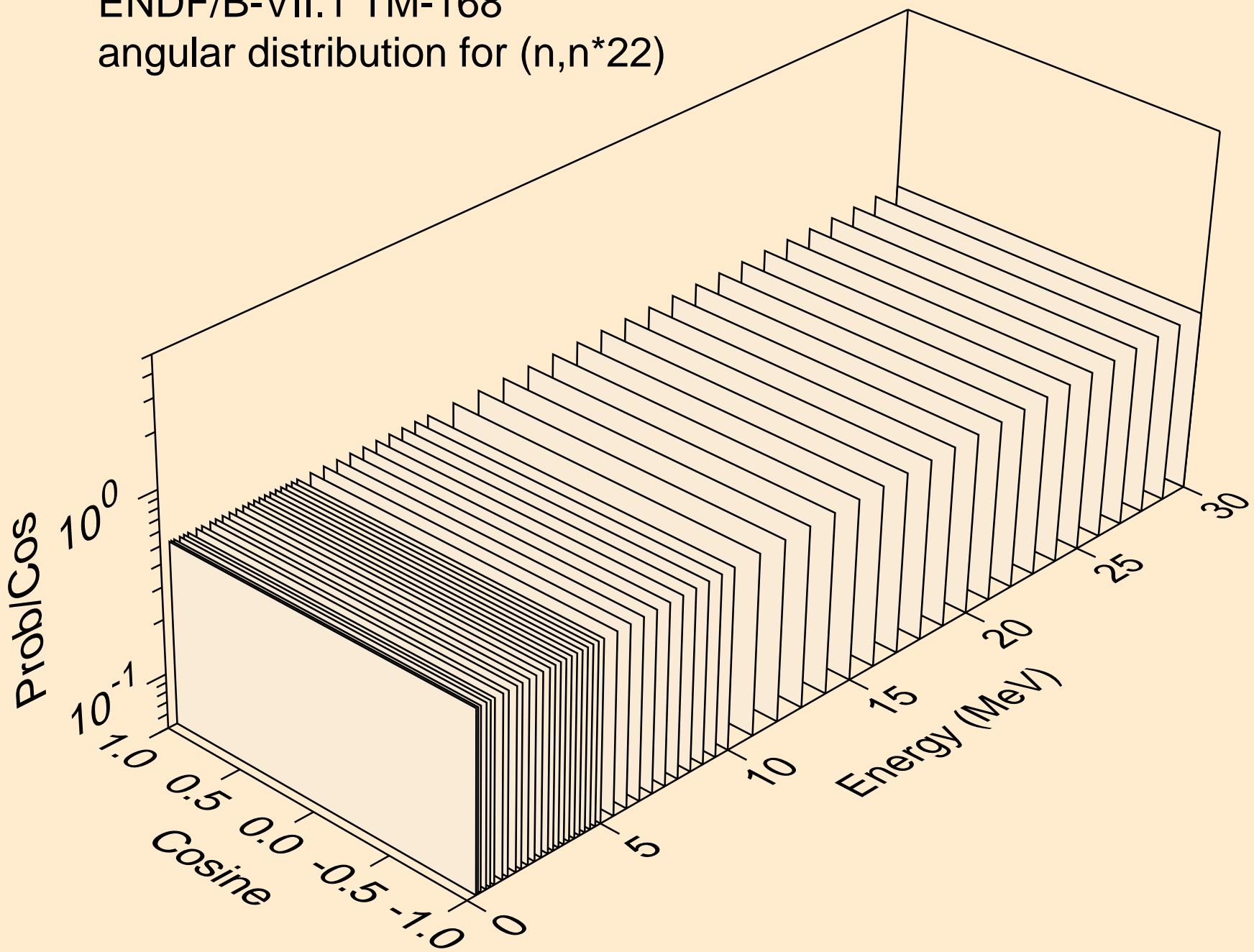
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*20)$



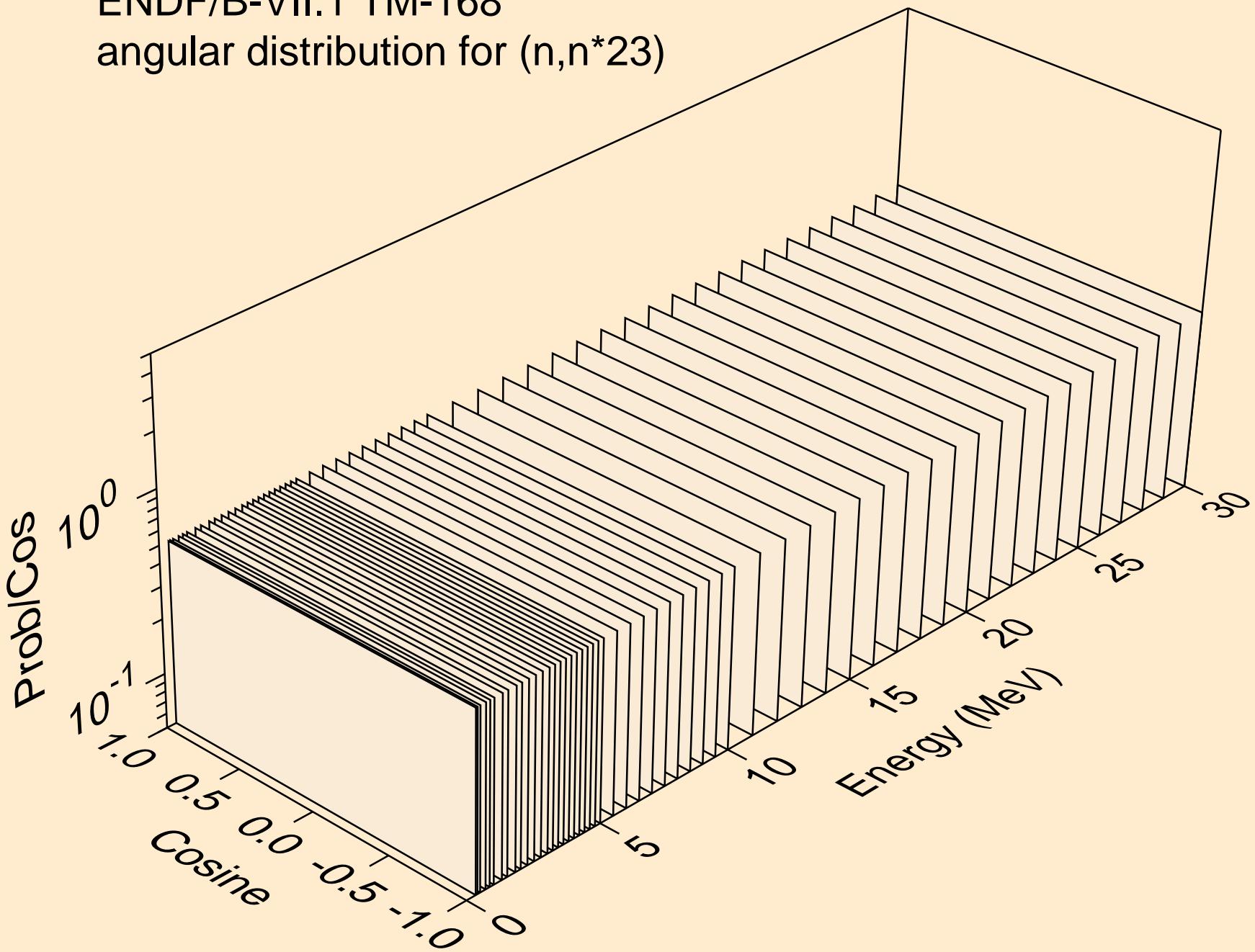
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*21)$



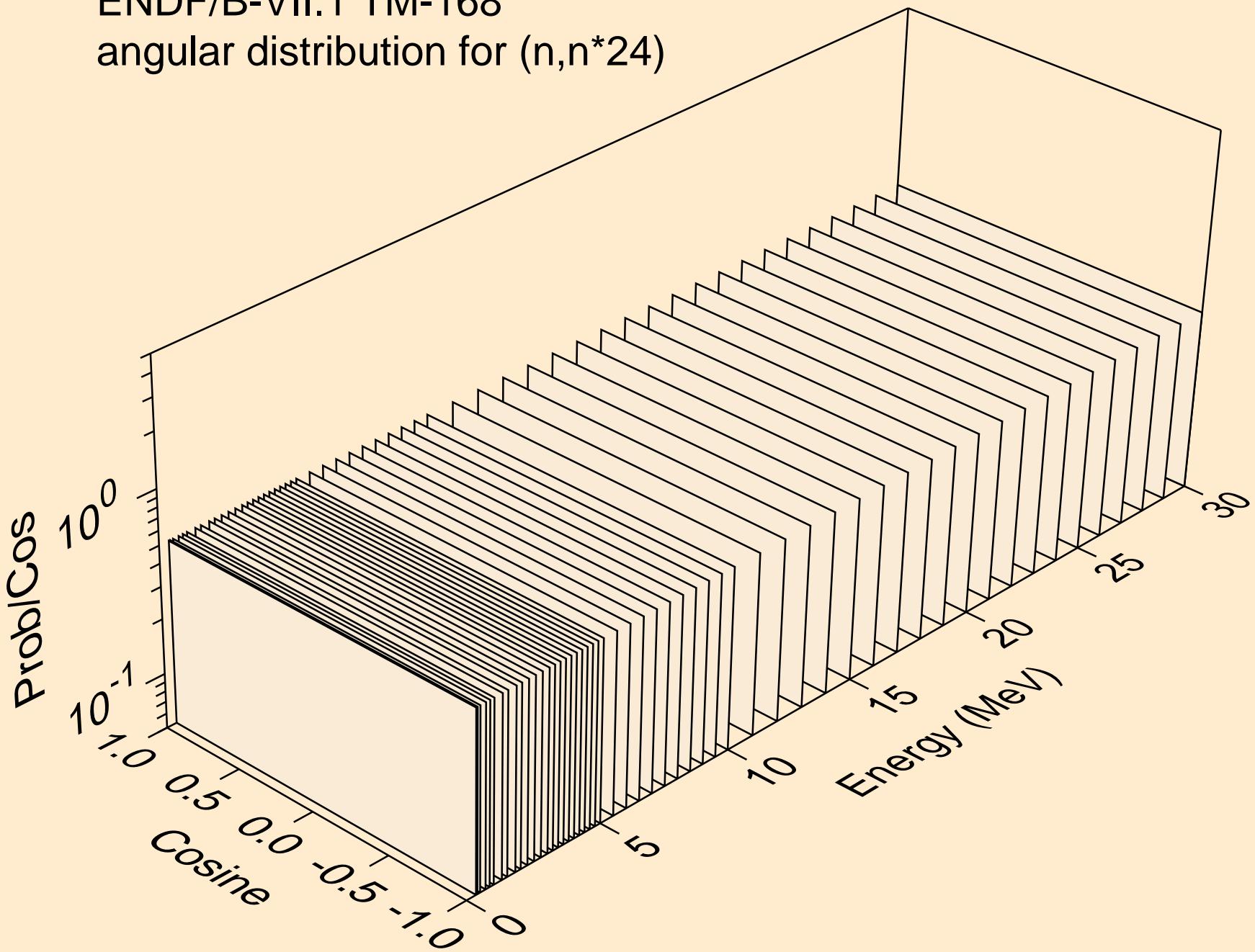
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*22)$



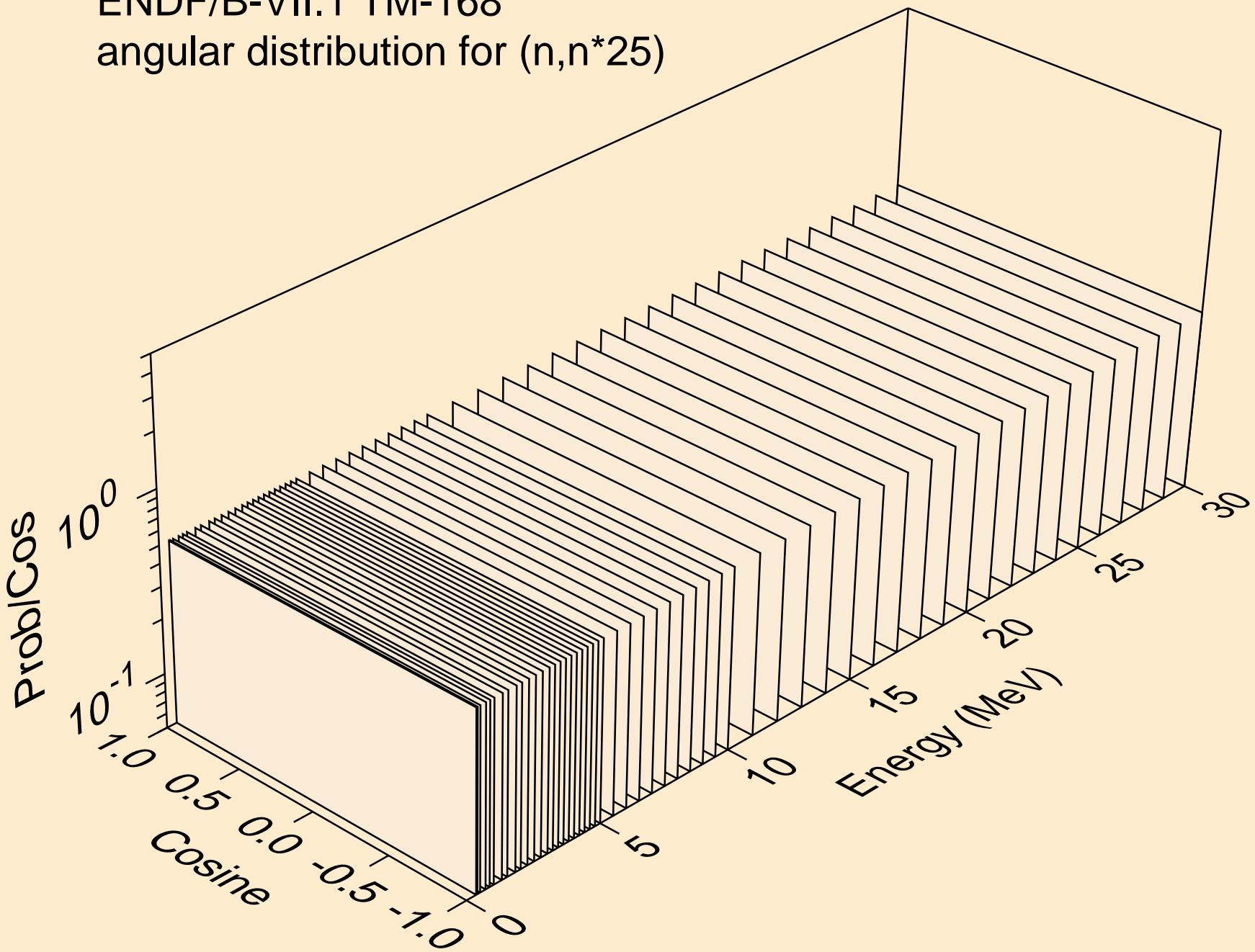
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*23)$



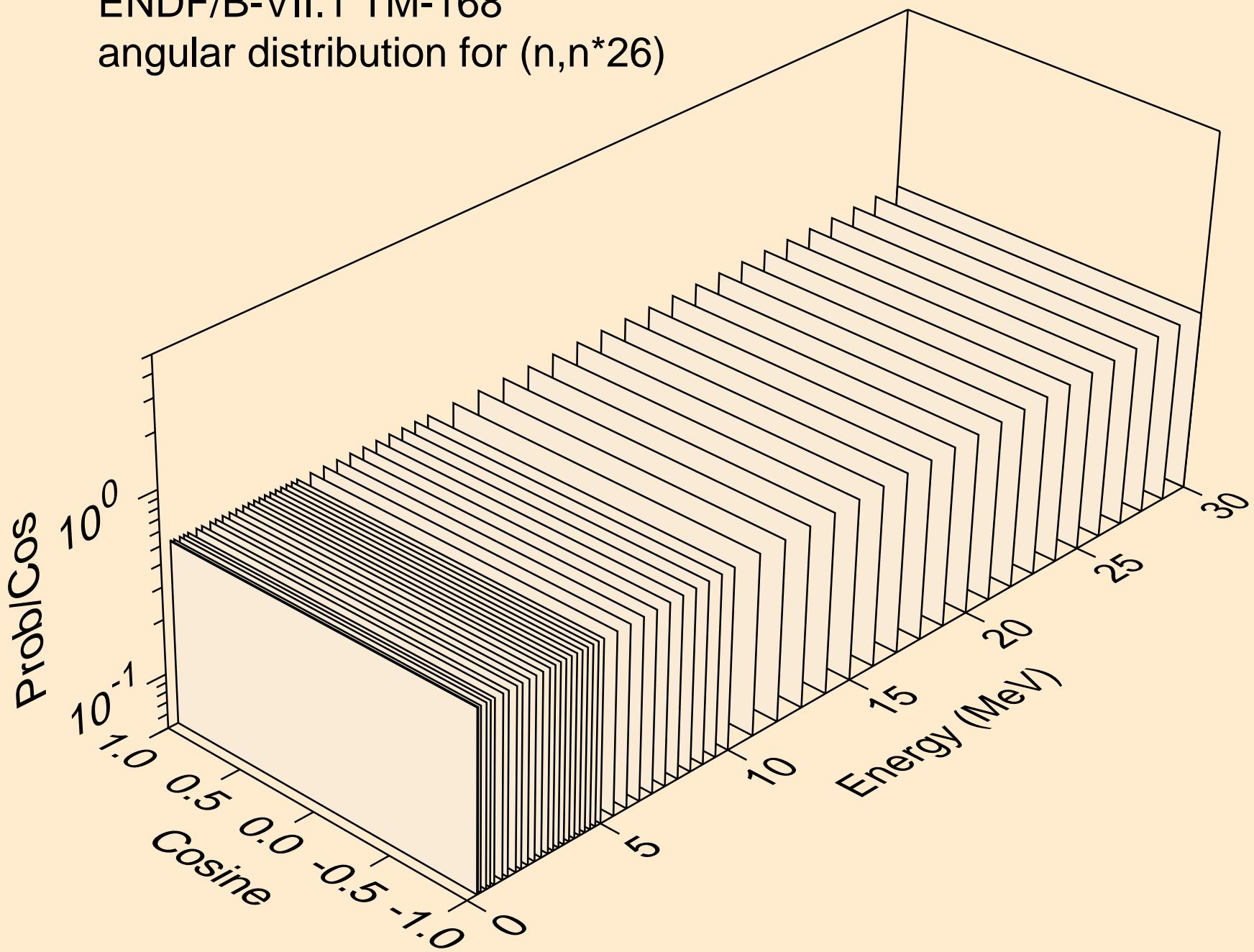
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*24)$



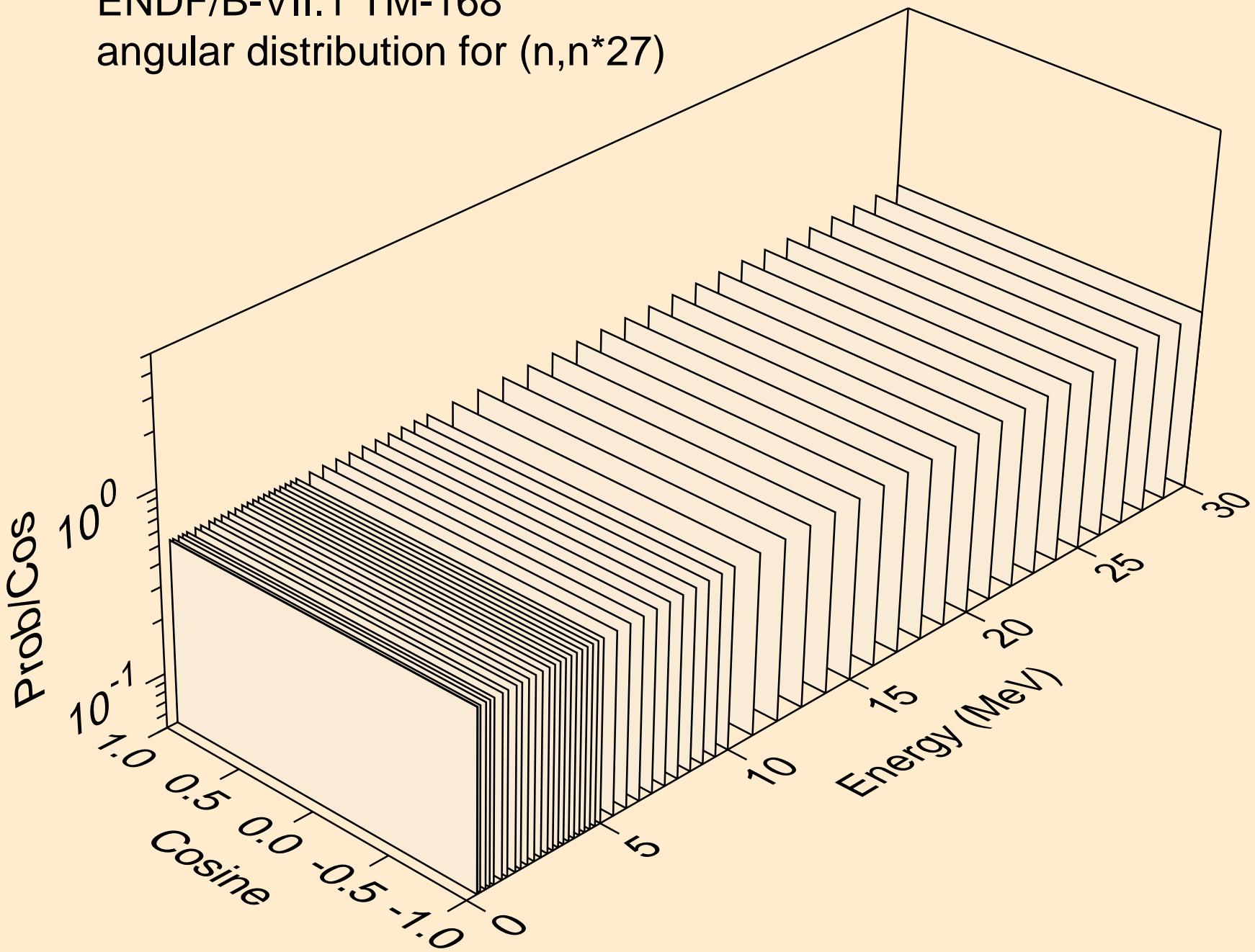
ENDF/B-VII.1 TM-168  
angular distribution for (n,n\*25)



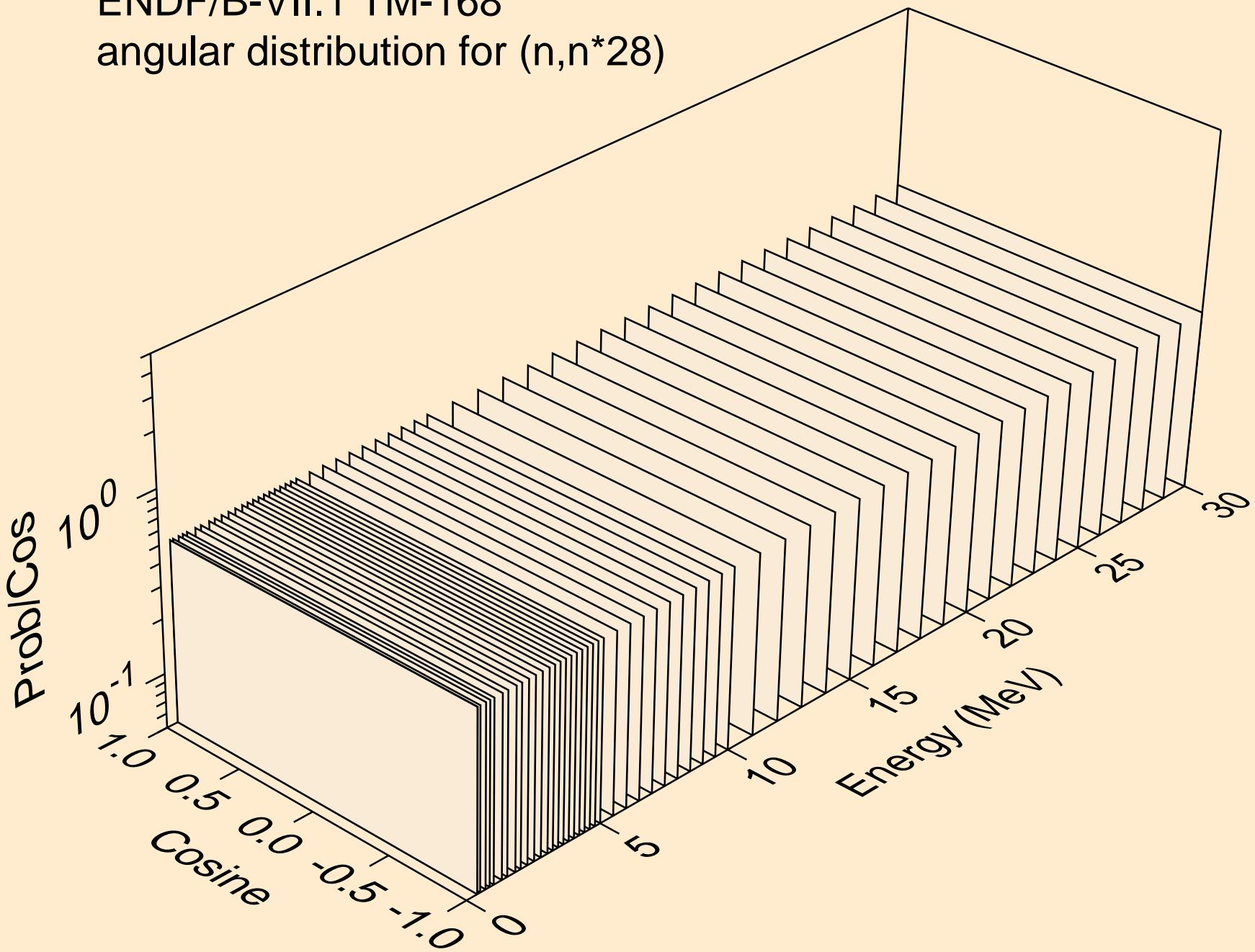
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*26)$



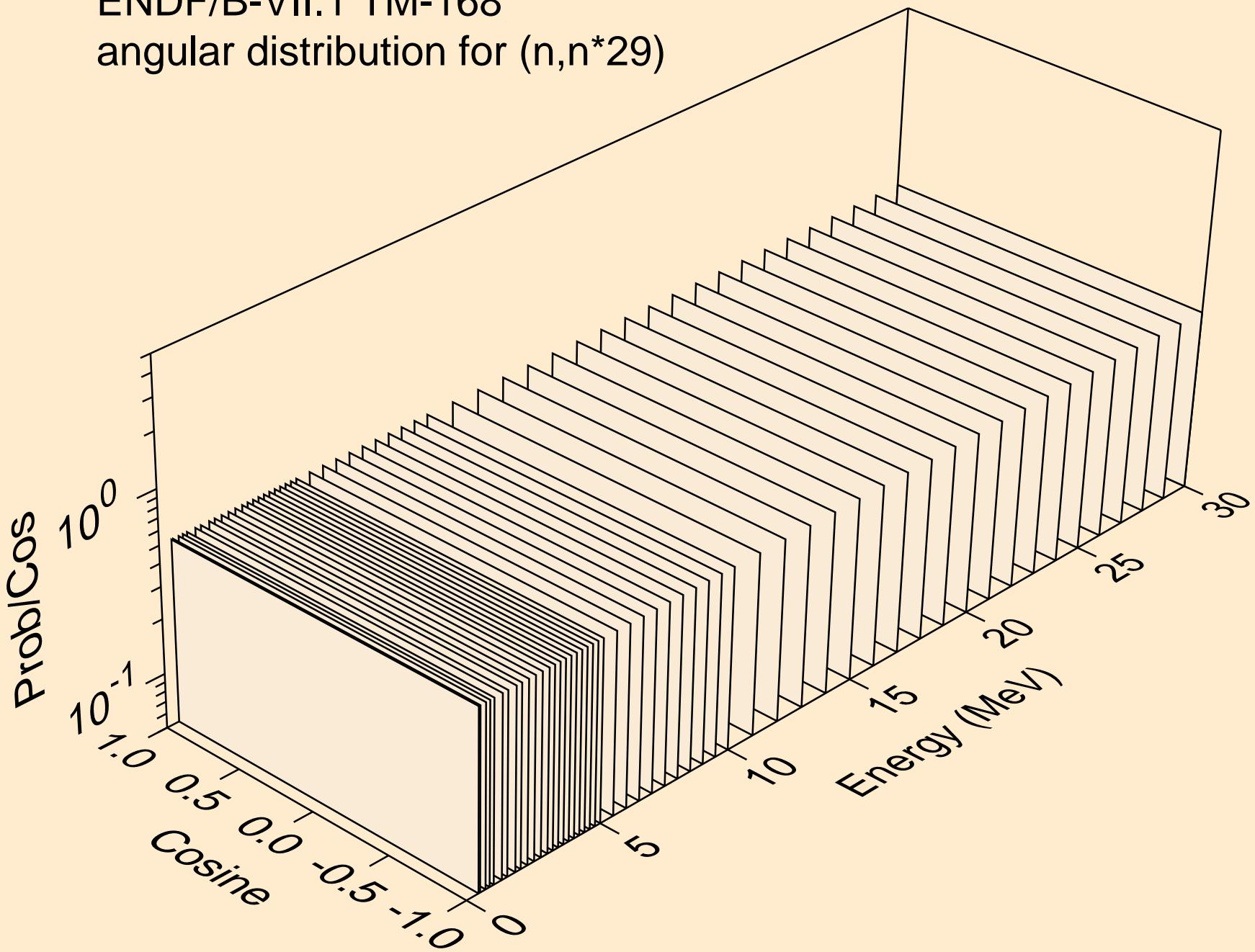
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*27)$



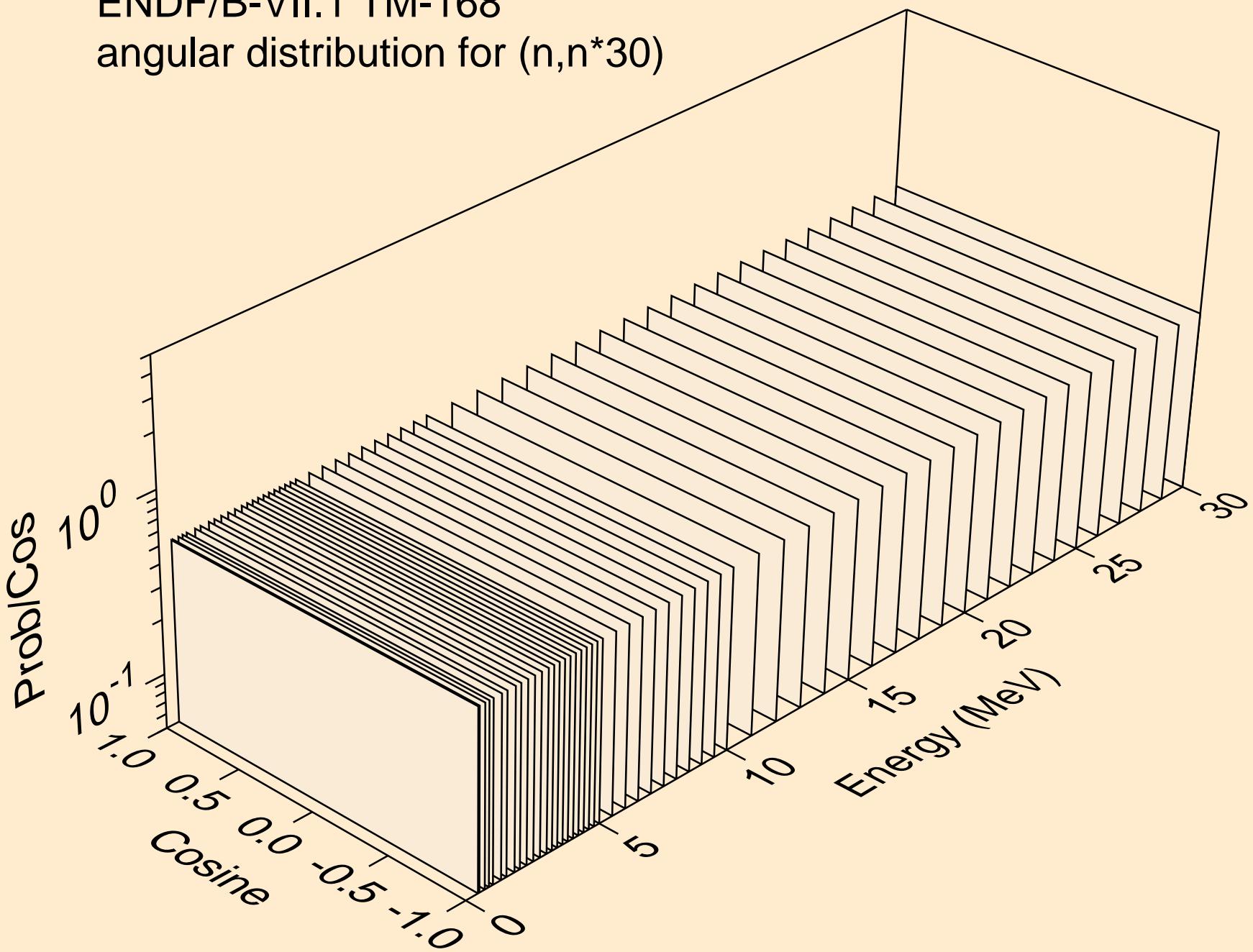
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*28)$



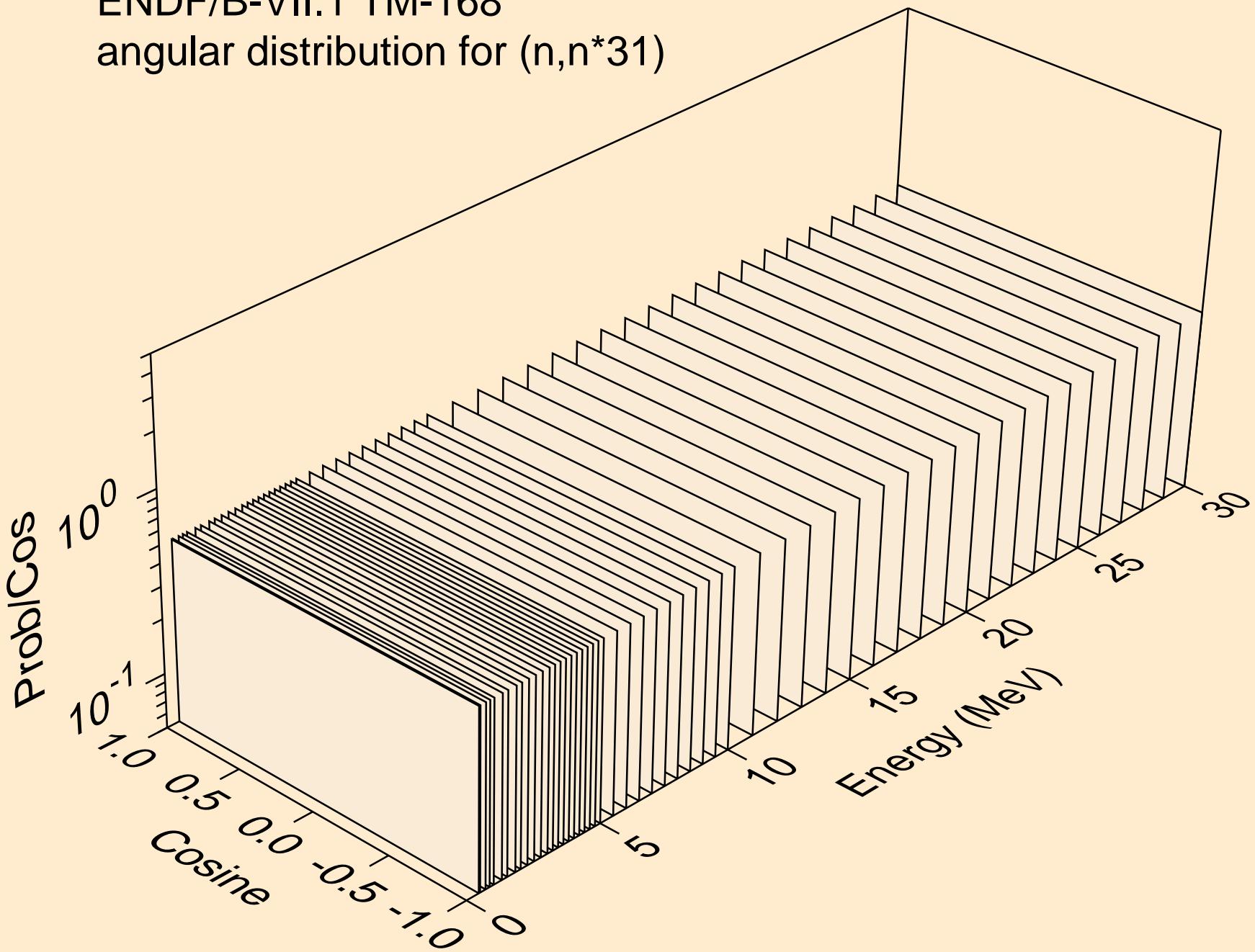
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*29)$



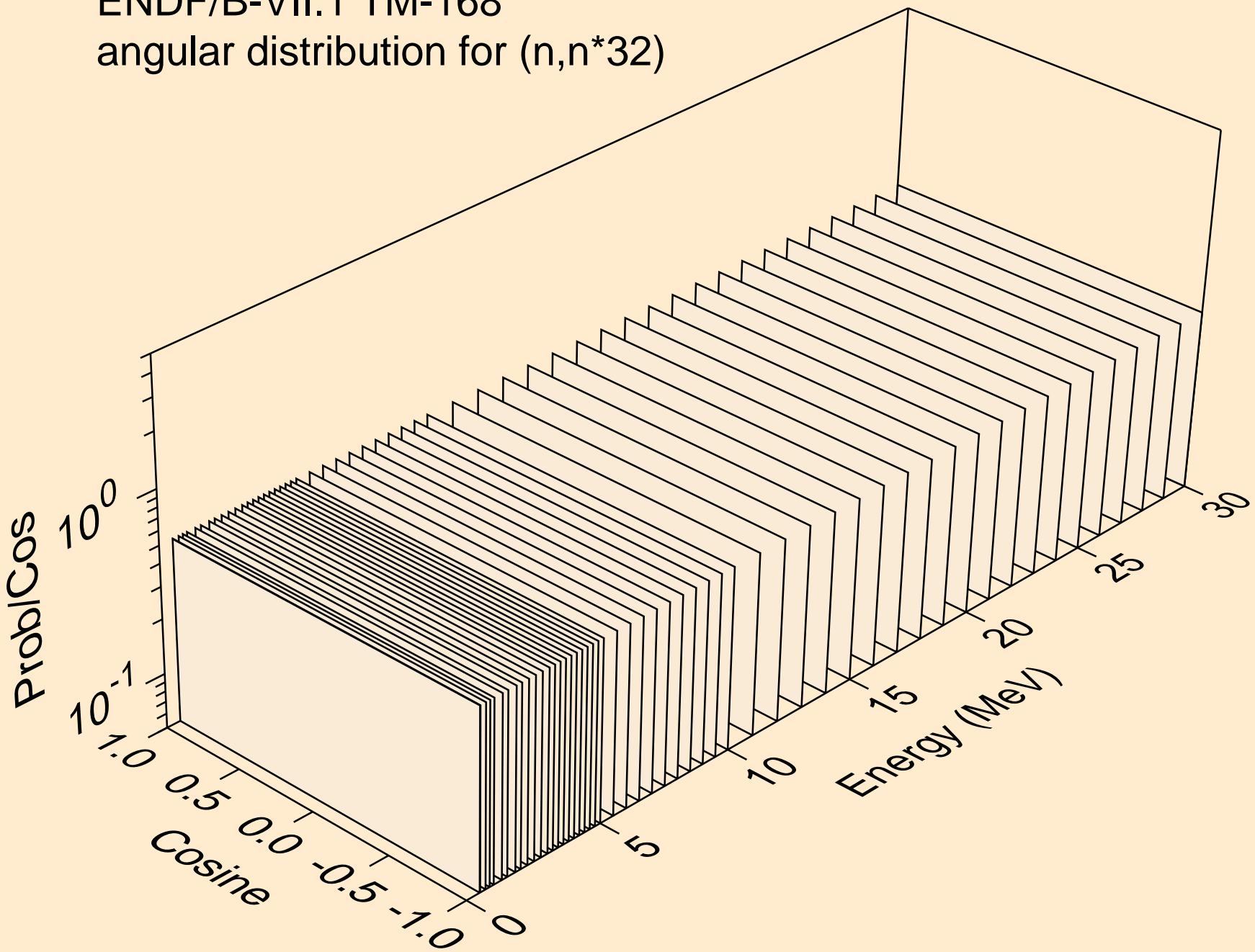
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*30)$



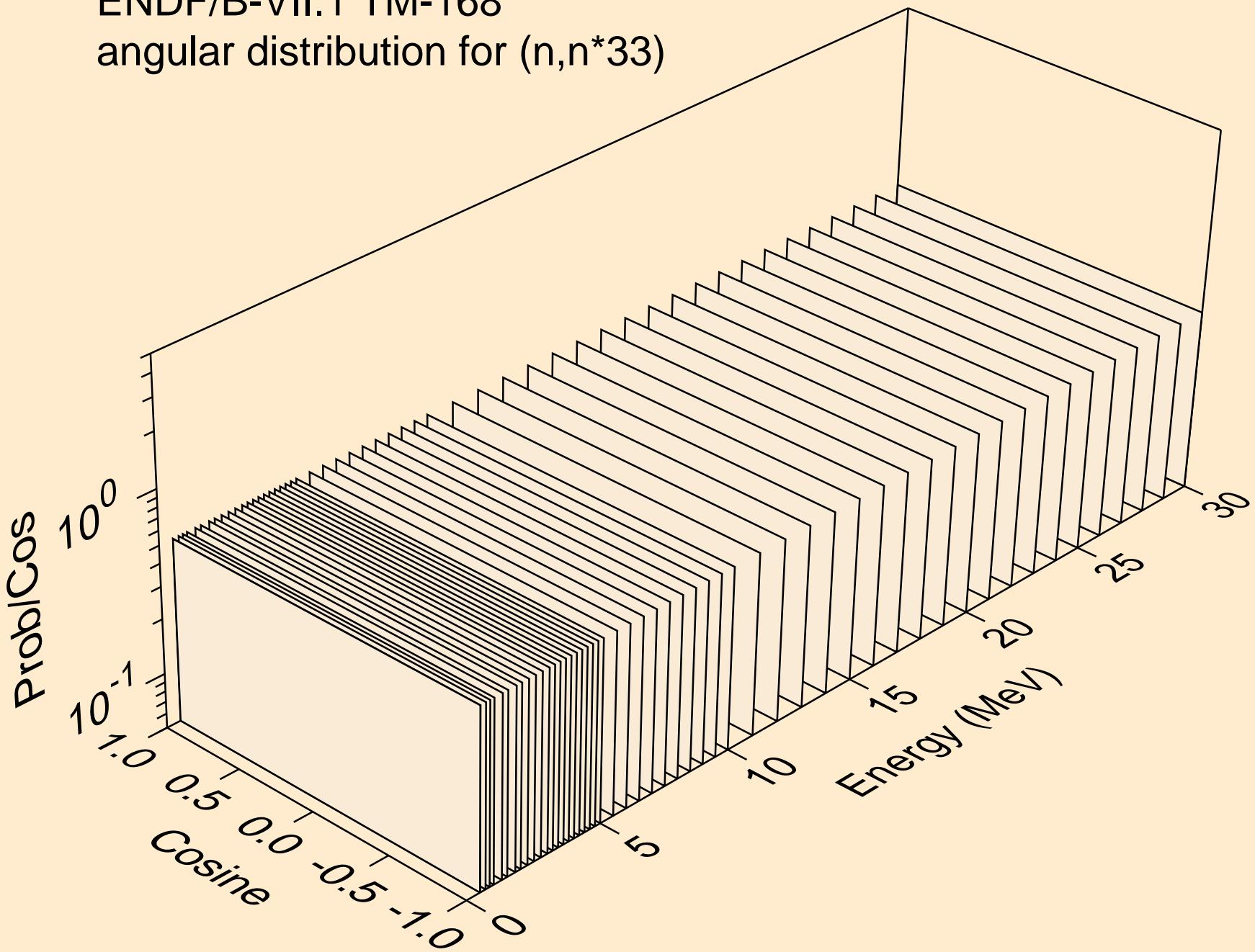
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*31)$



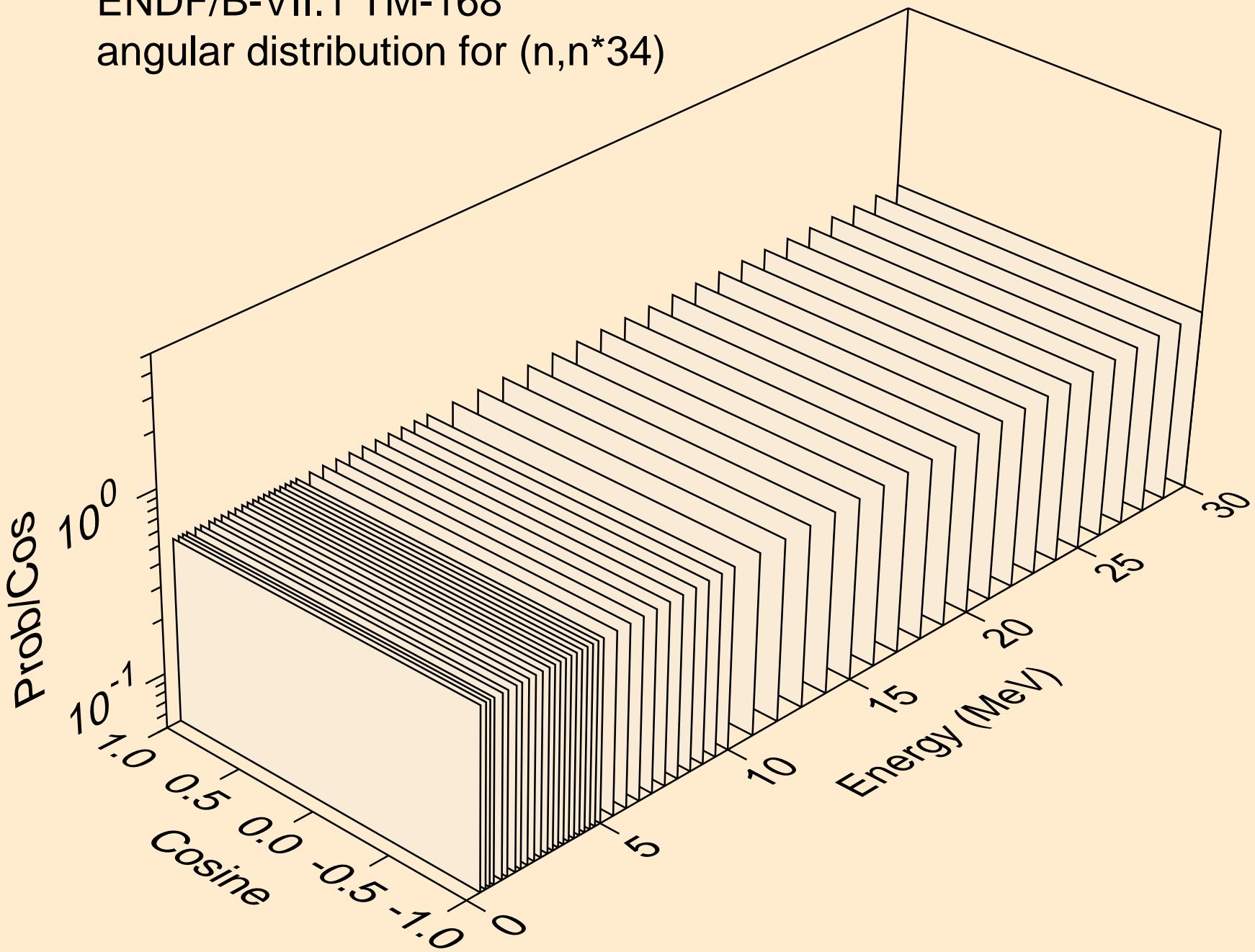
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*32)$



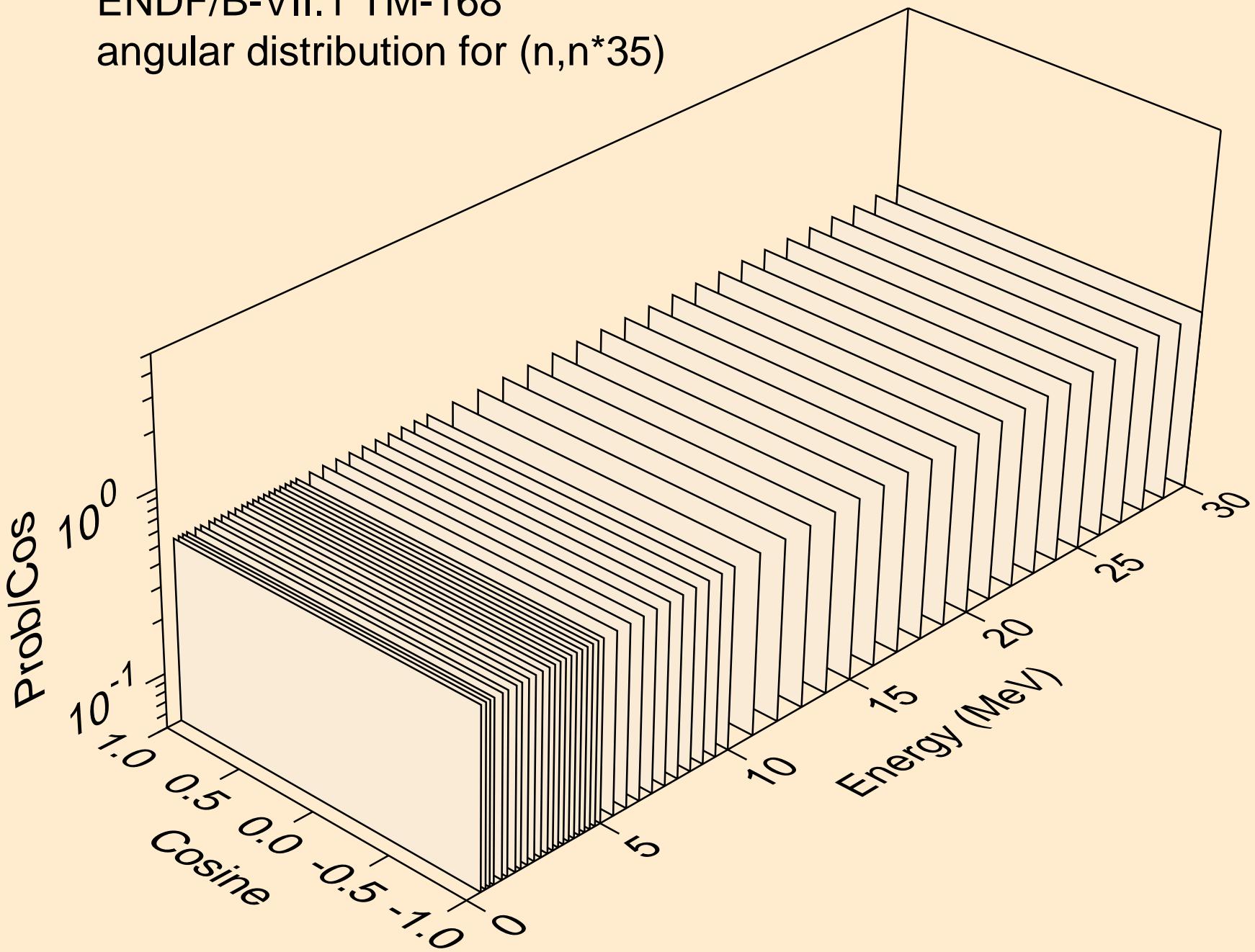
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*33)$



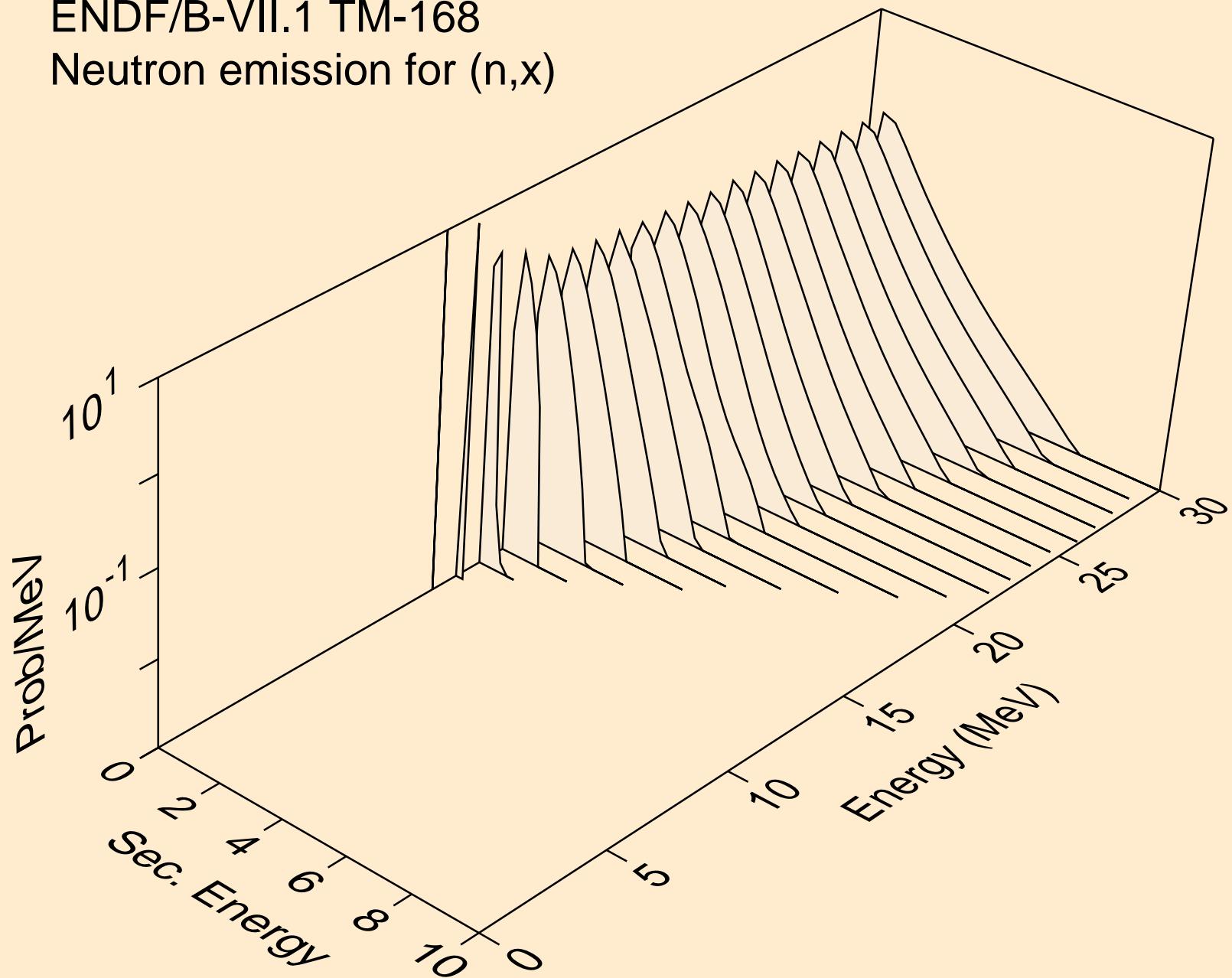
ENDF/B-VII.1 TM-168  
angular distribution for (n,n\*34)



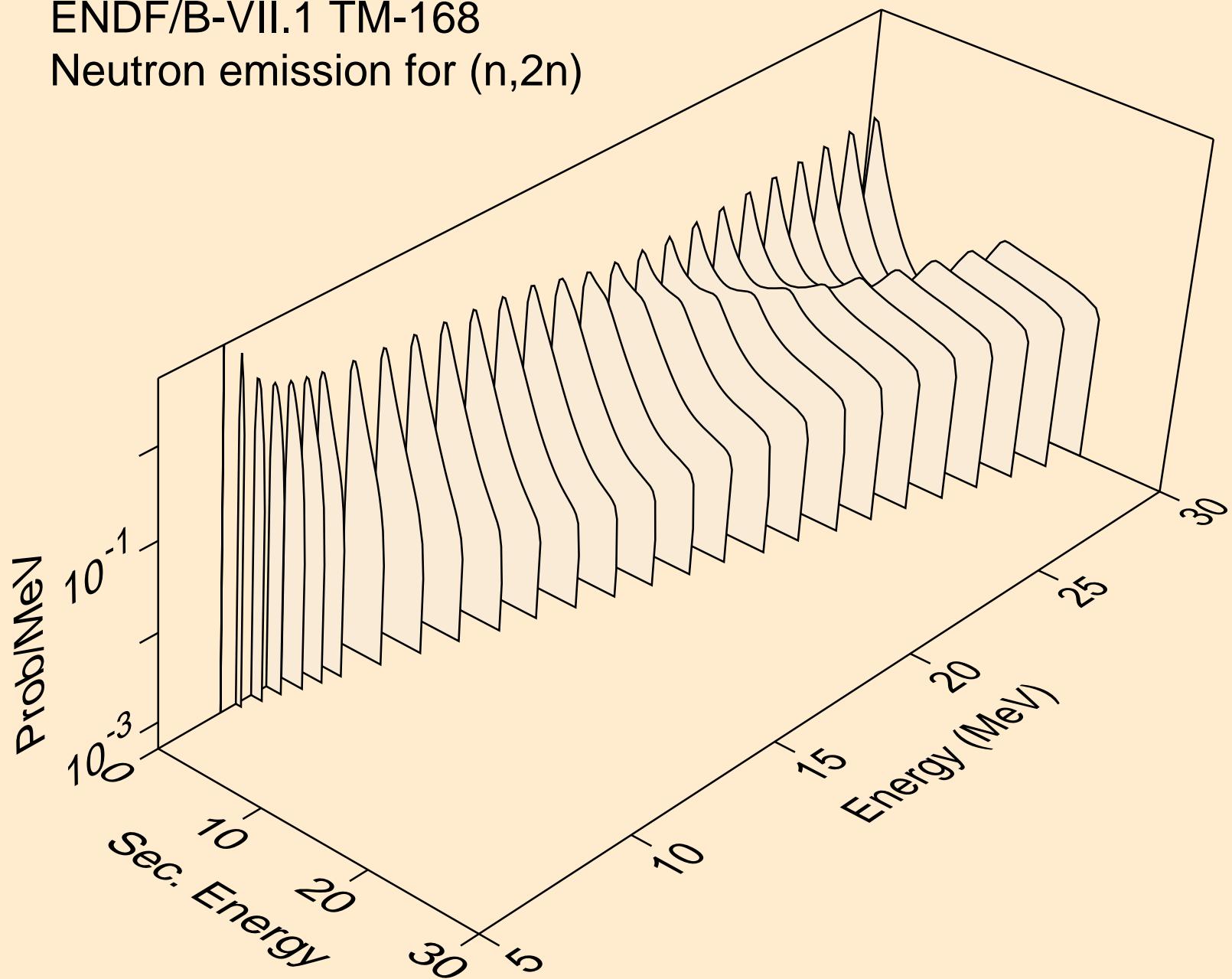
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,n^*35)$



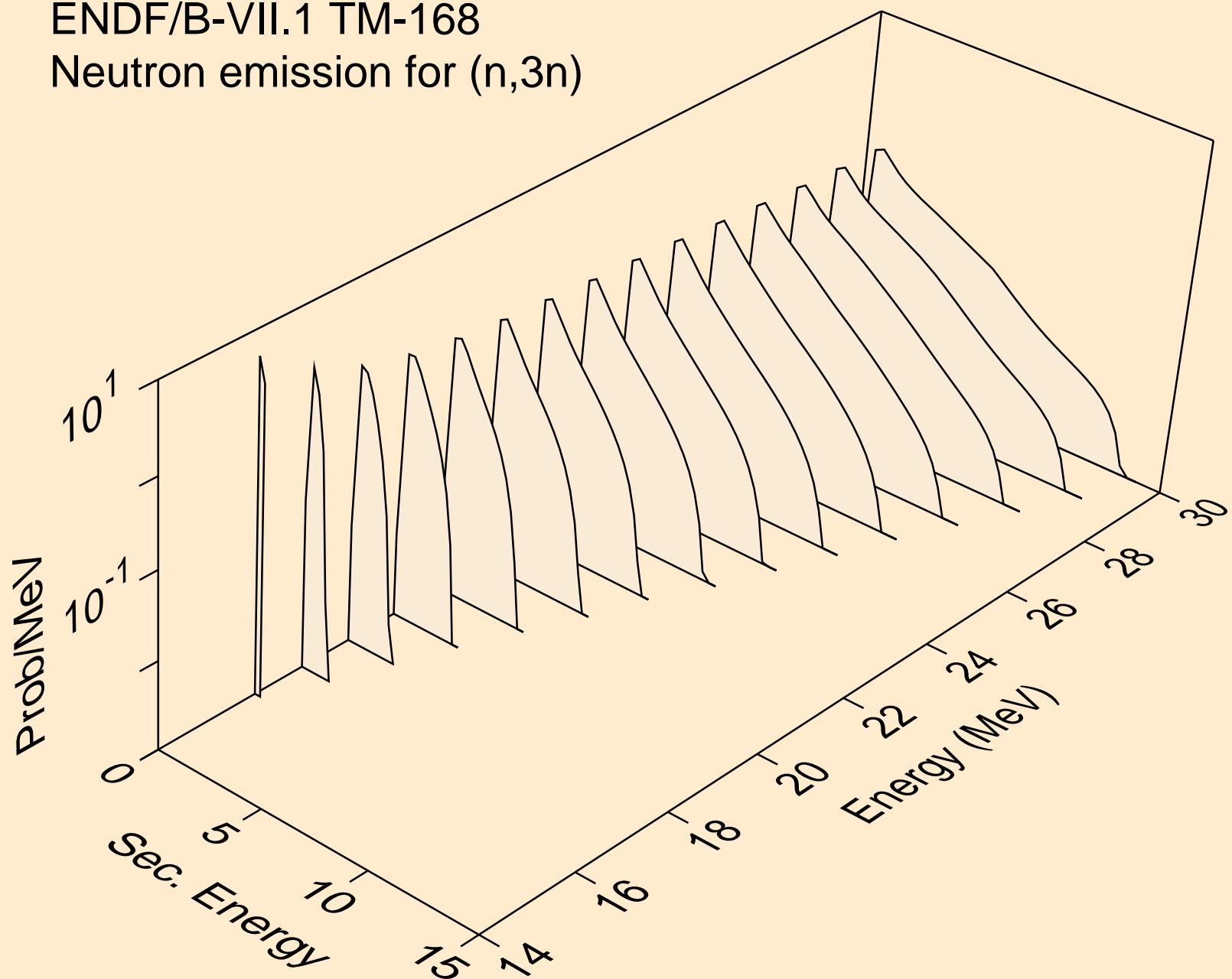
ENDF/B-VII.1 TM-168  
Neutron emission for (n,x)



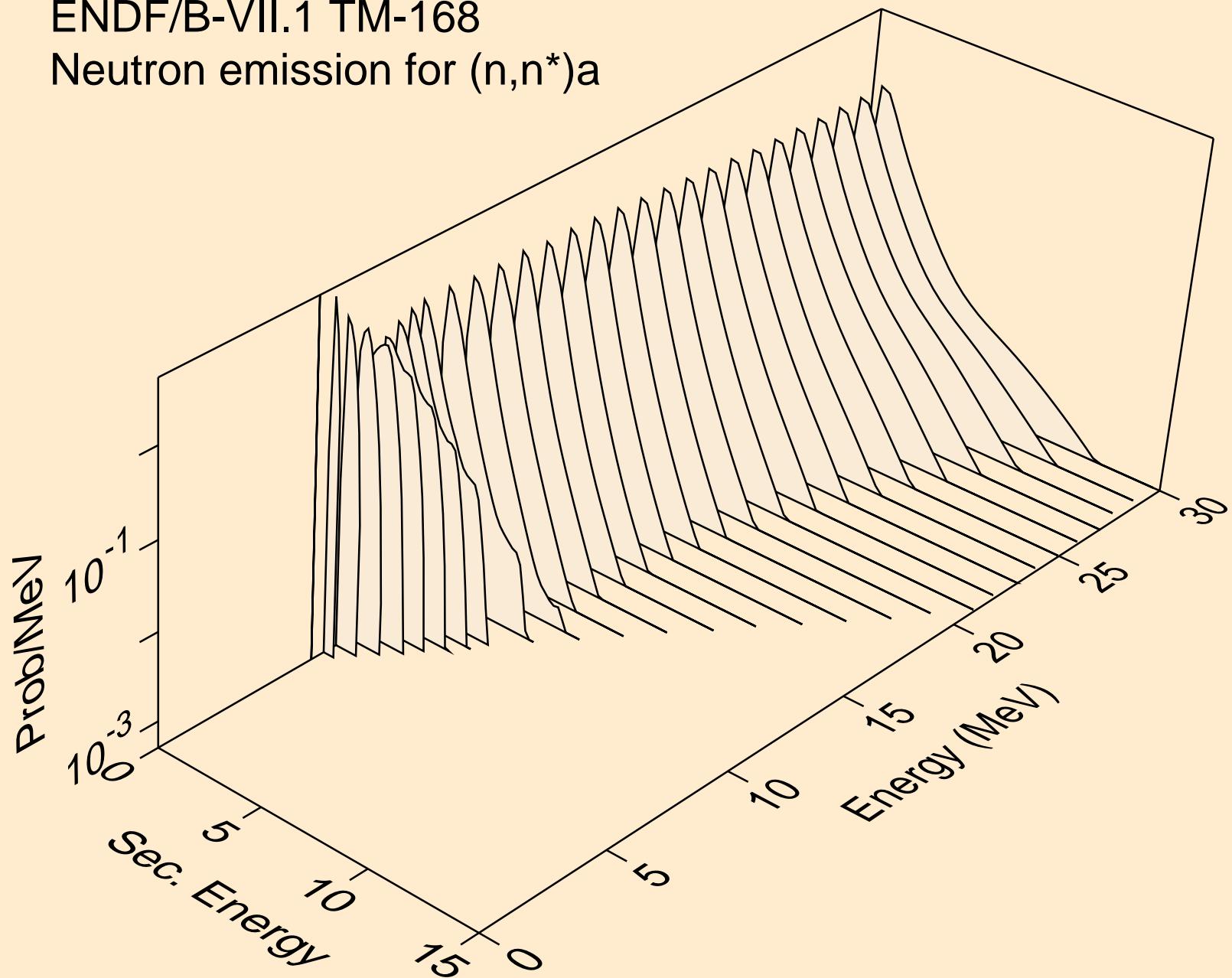
ENDF/B-VII.1 TM-168  
Neutron emission for (n,2n)



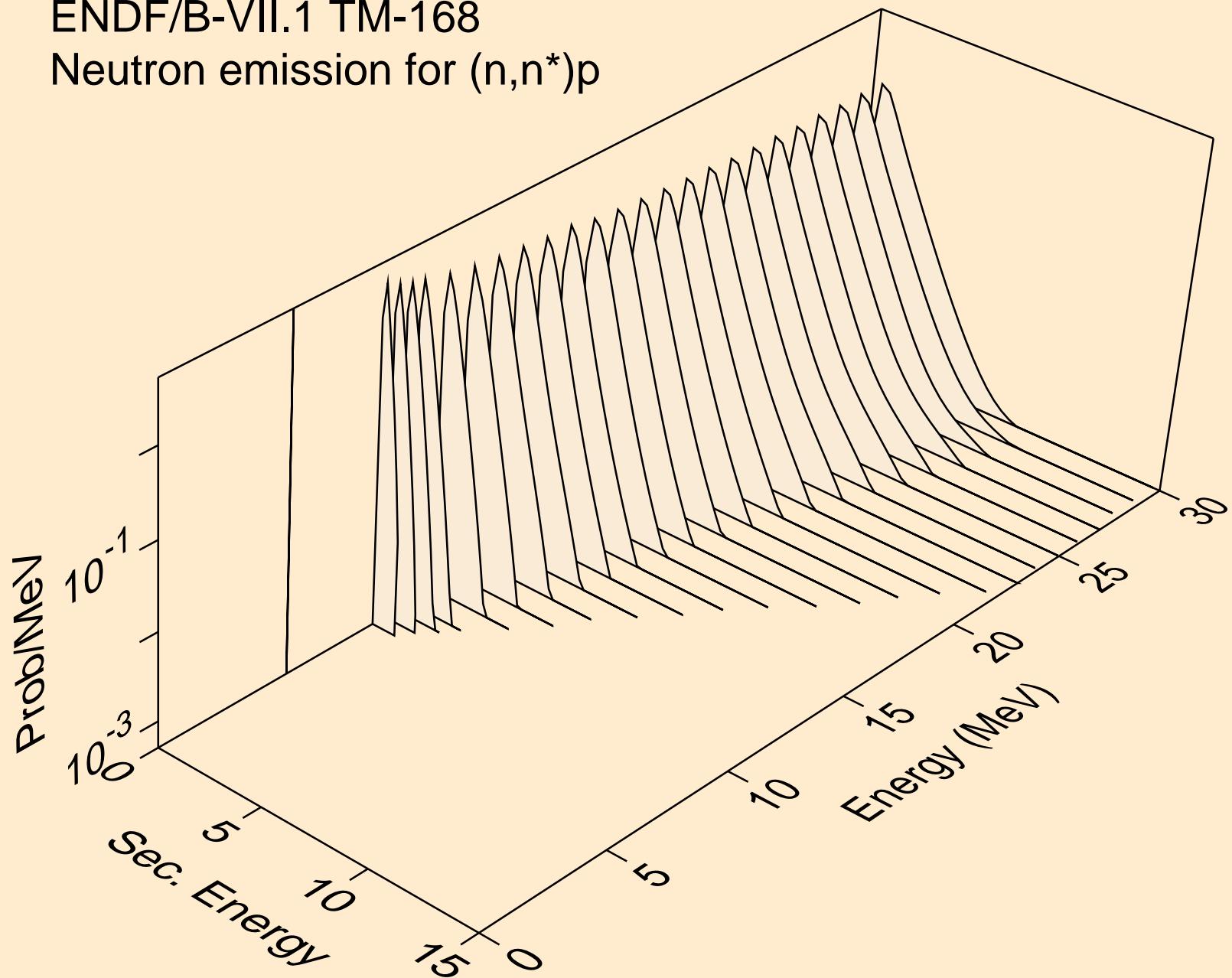
ENDF/B-VII.1 TM-168  
Neutron emission for (n,3n)



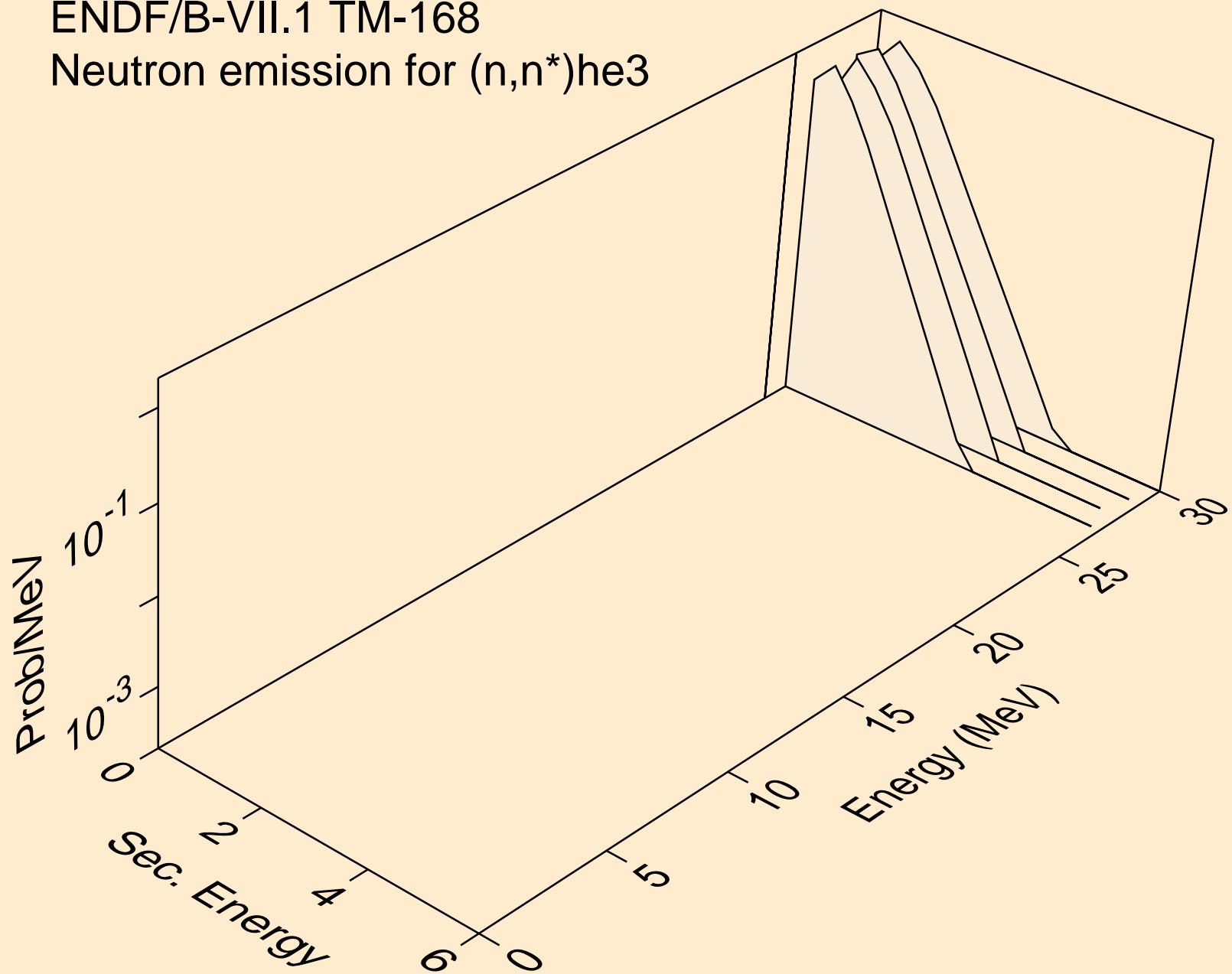
ENDF/B-VII.1 TM-168  
Neutron emission for  $(n,n^*)a$



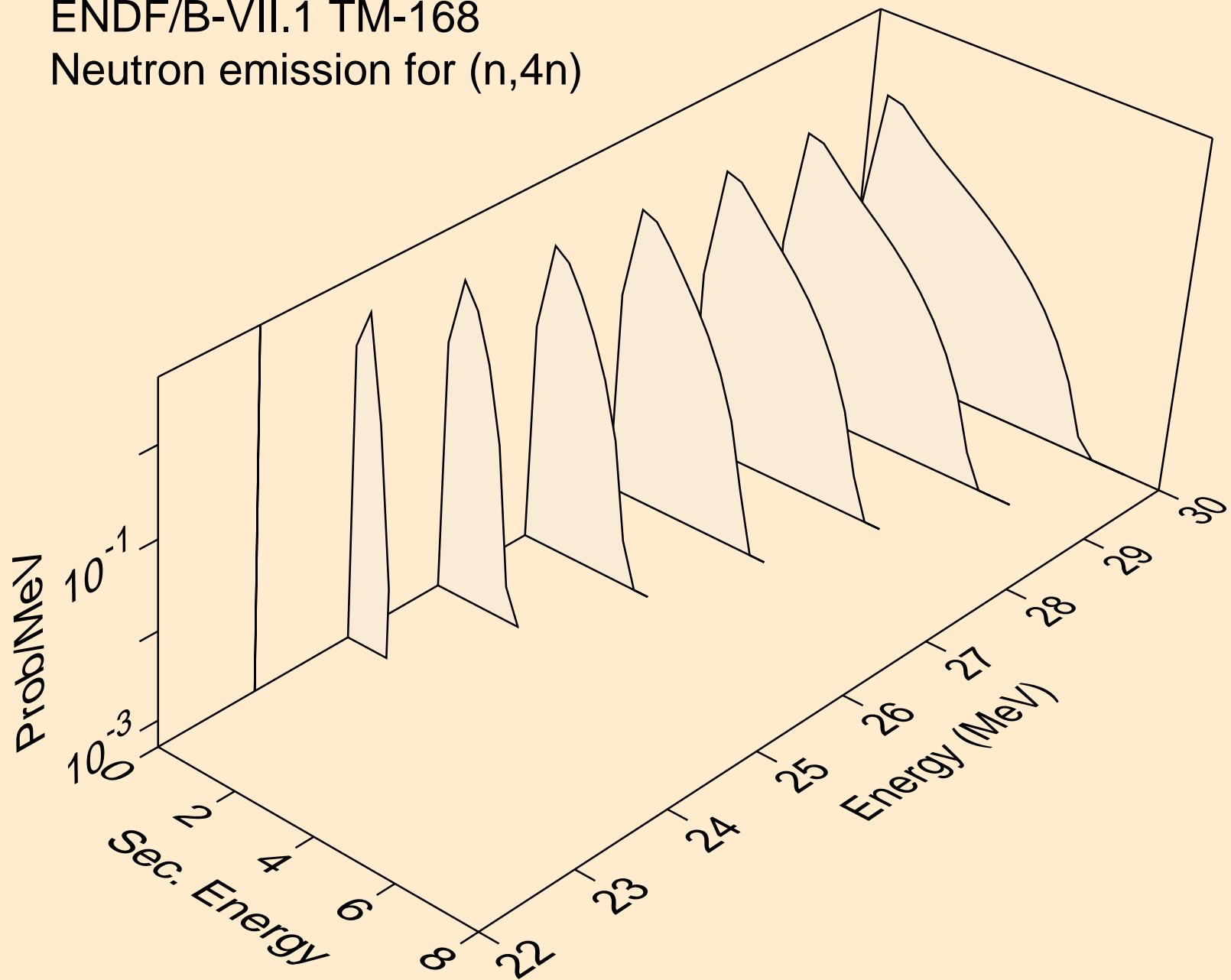
ENDF/B-VII.1 TM-168  
Neutron emission for  $(n,n^*)p$



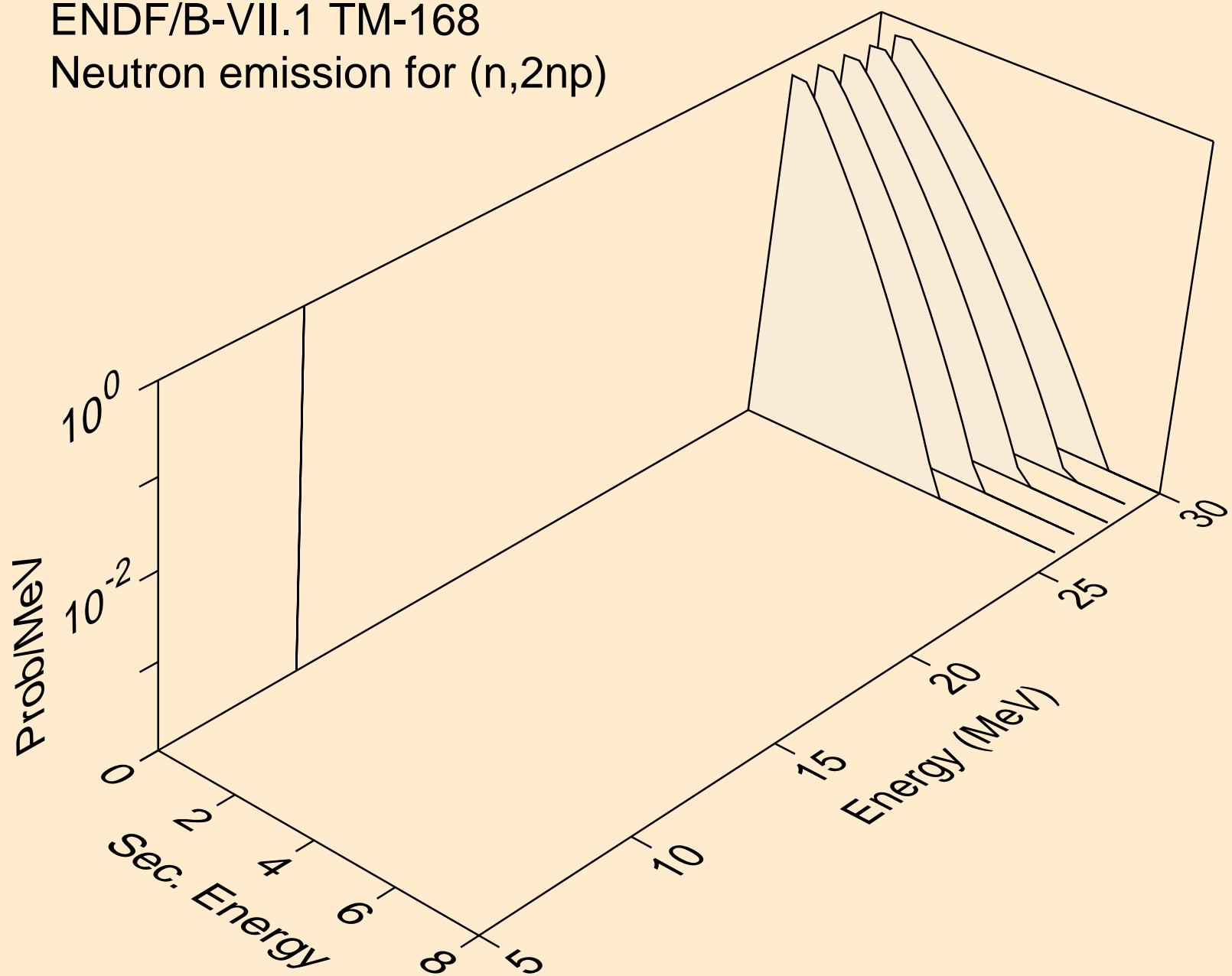
ENDF/B-VII.1 TM-168  
Neutron emission for  $(n,n^*)\text{he}3$



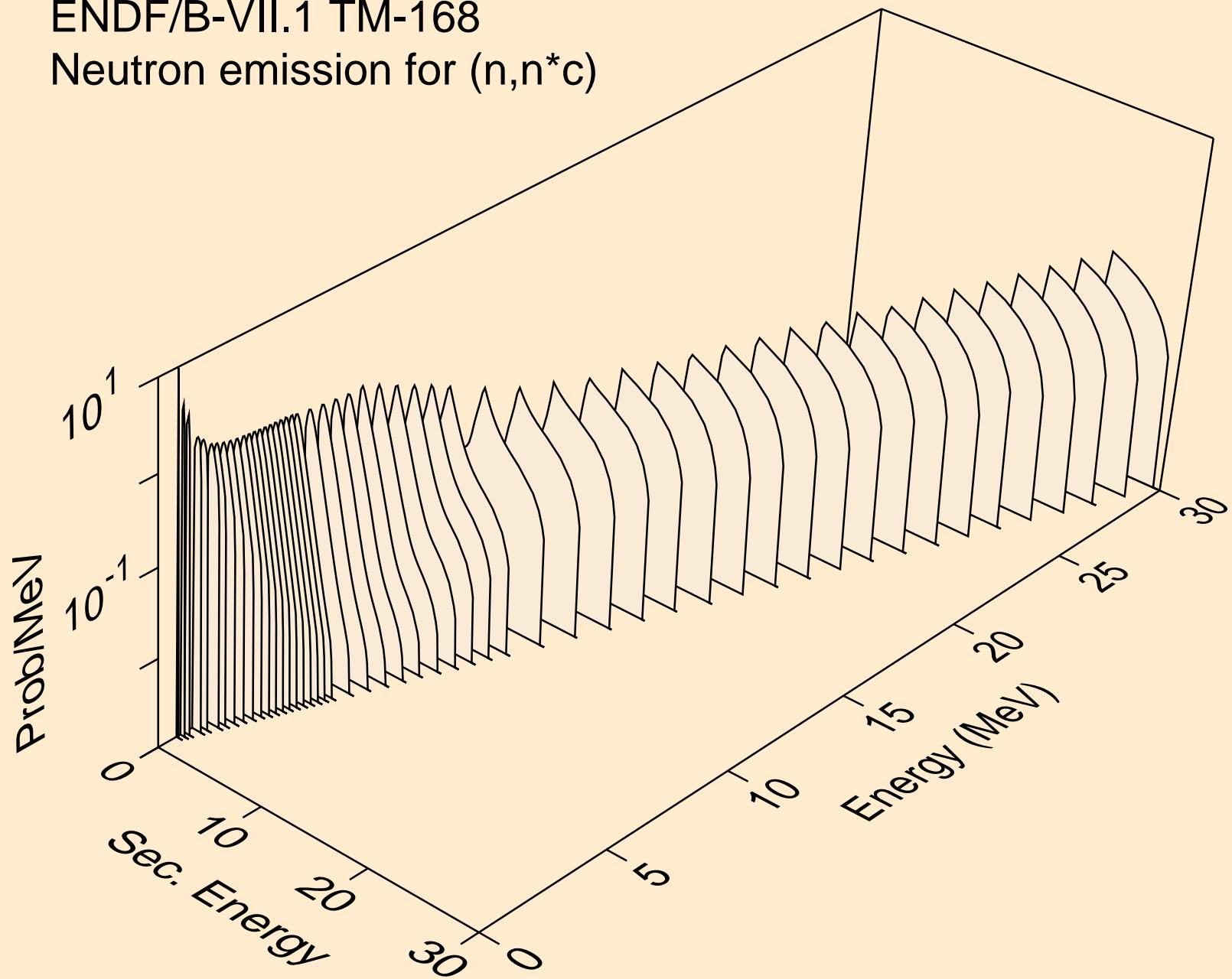
ENDF/B-VII.1 TM-168  
Neutron emission for (n,4n)



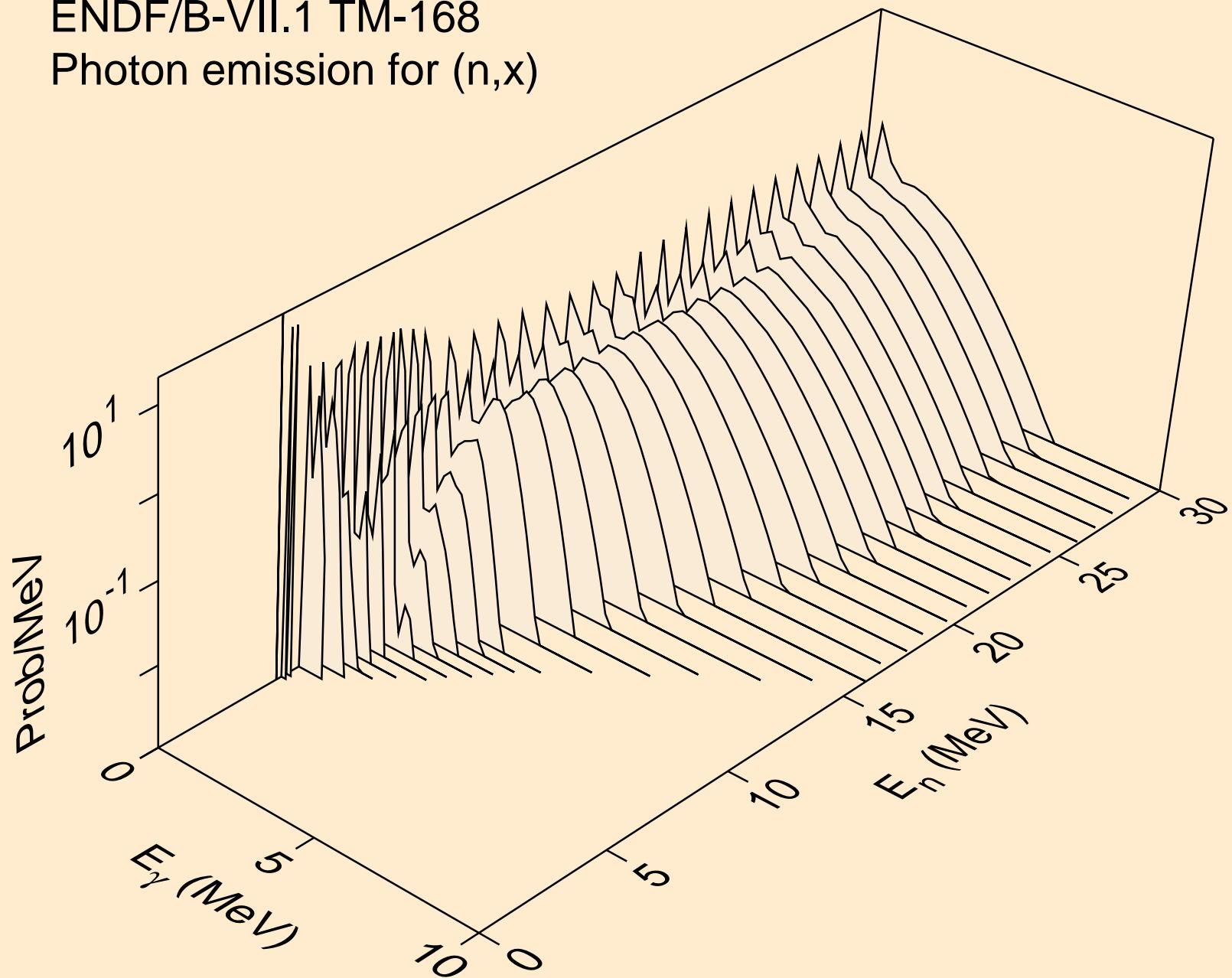
ENDF/B-VII.1 TM-168  
Neutron emission for (n,2np)



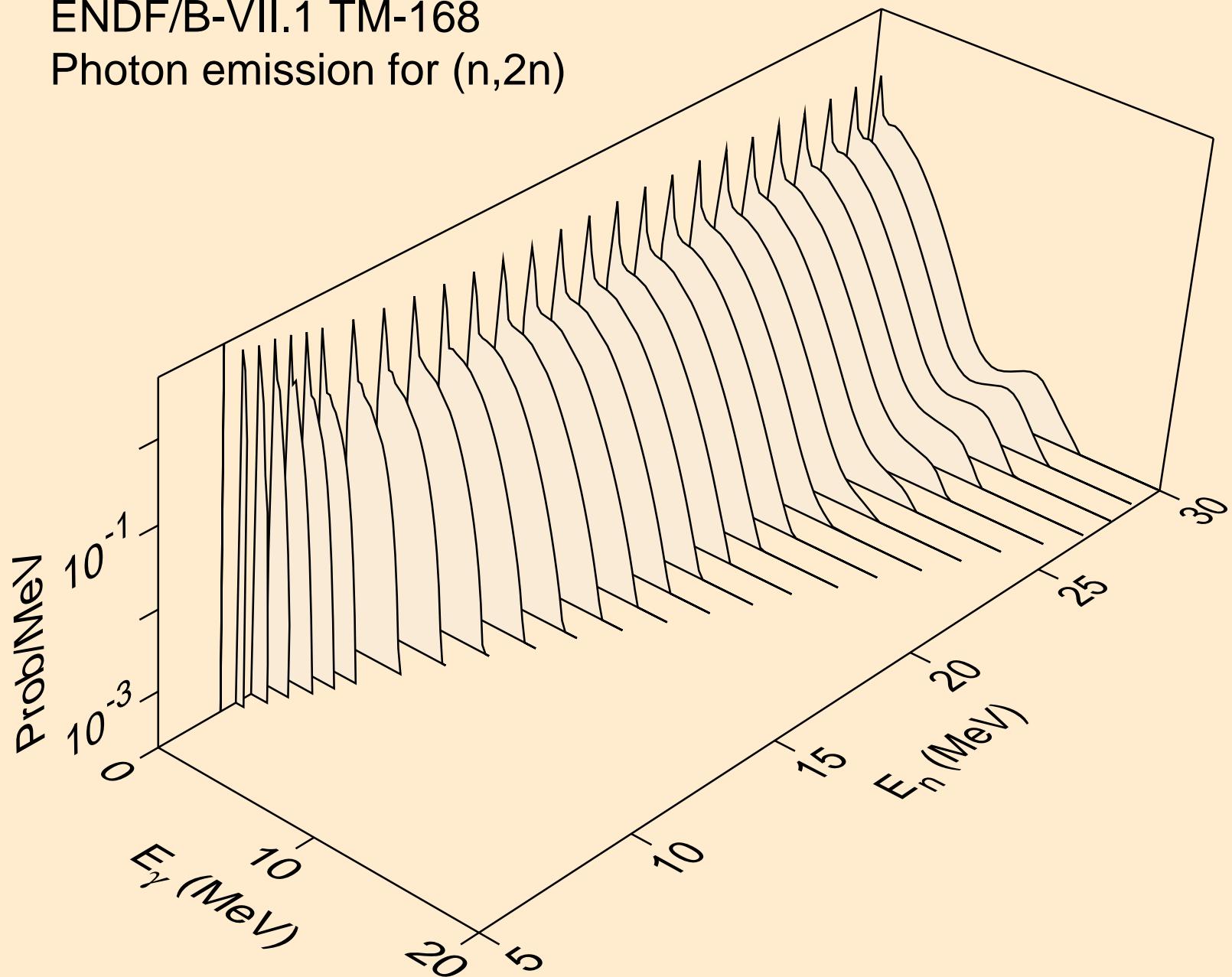
ENDF/B-VII.1 TM-168  
Neutron emission for  $(n, n^* c)$



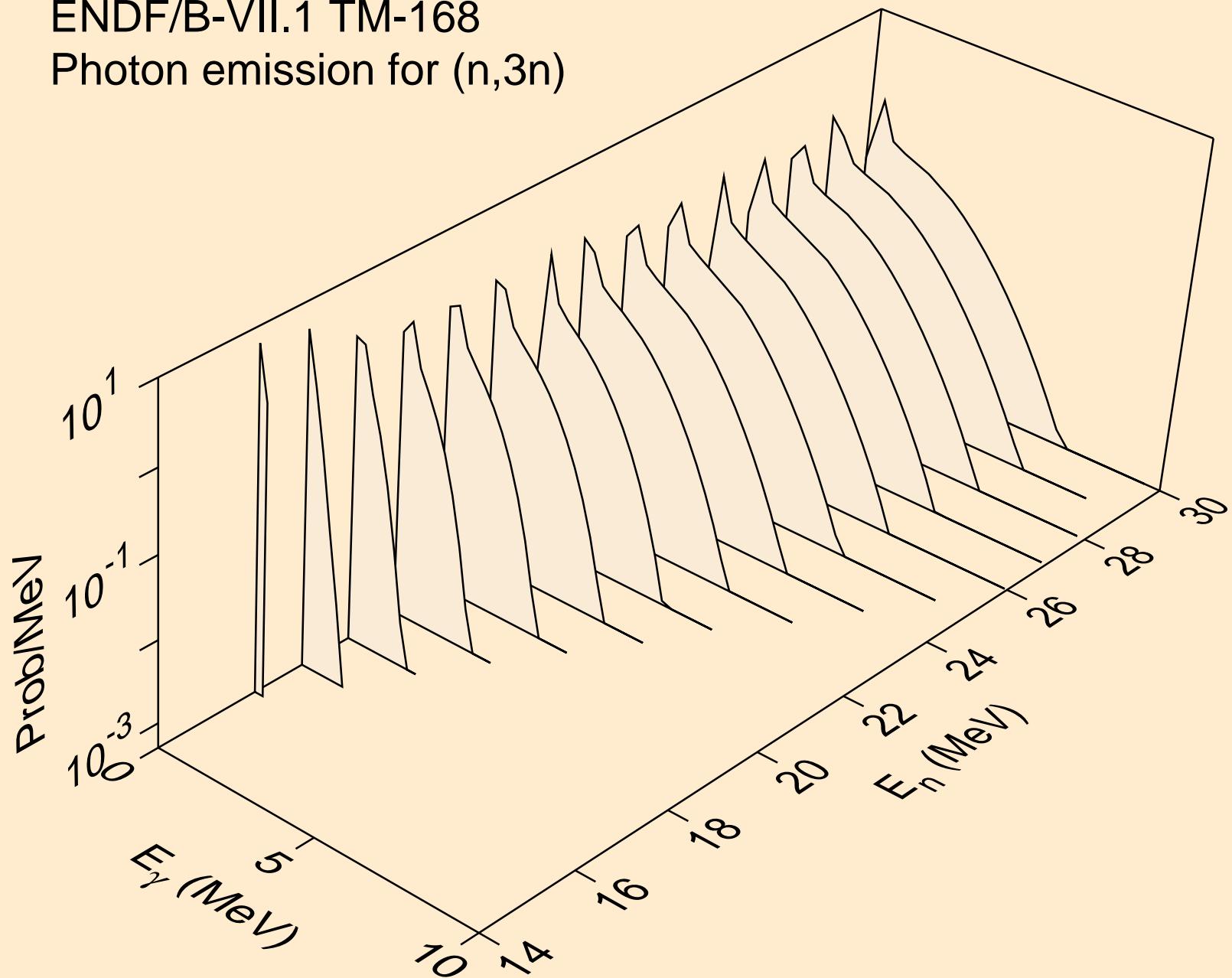
ENDF/B-VII.1 TM-168  
Photon emission for (n,x)



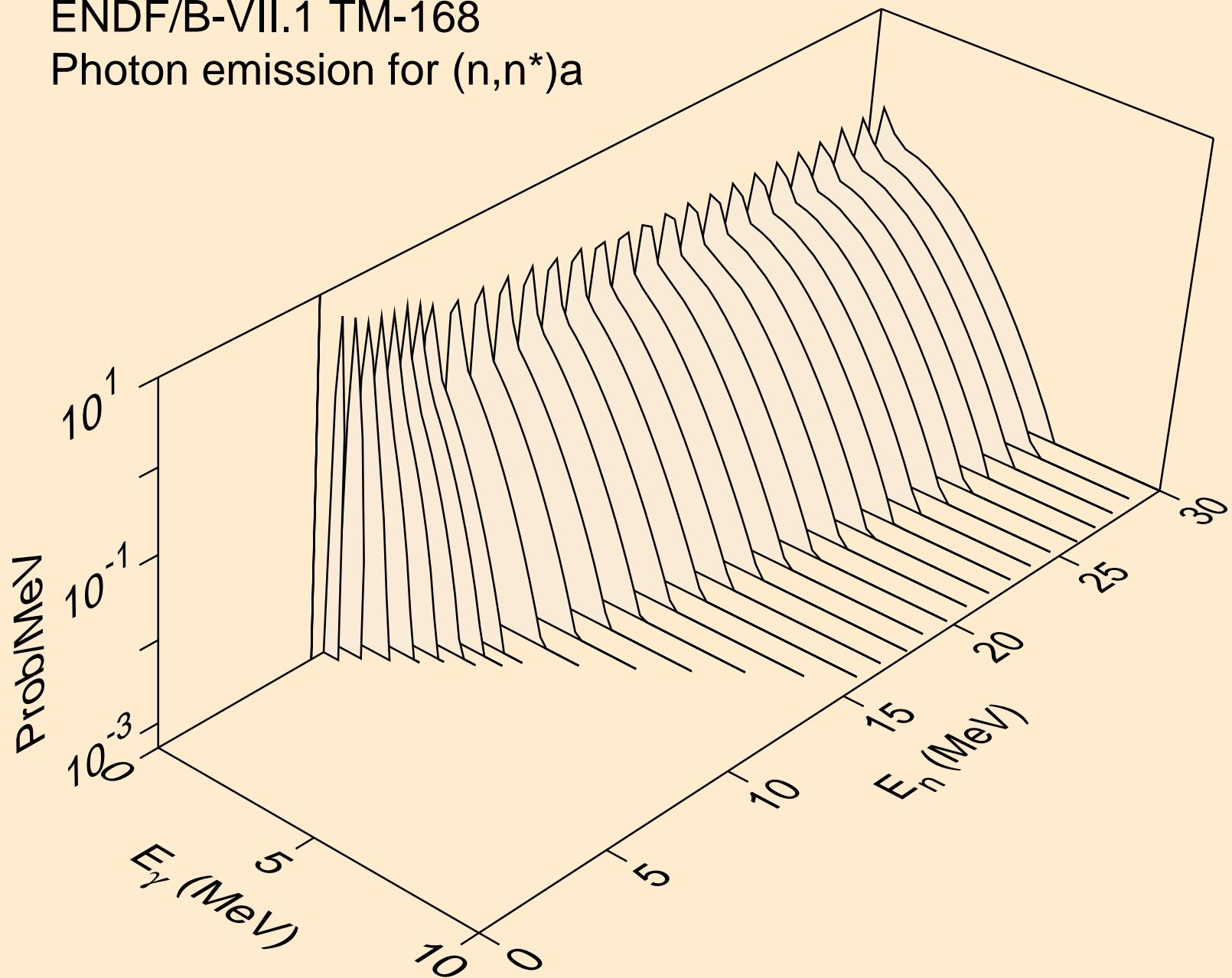
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Photon emission for (n,2n)



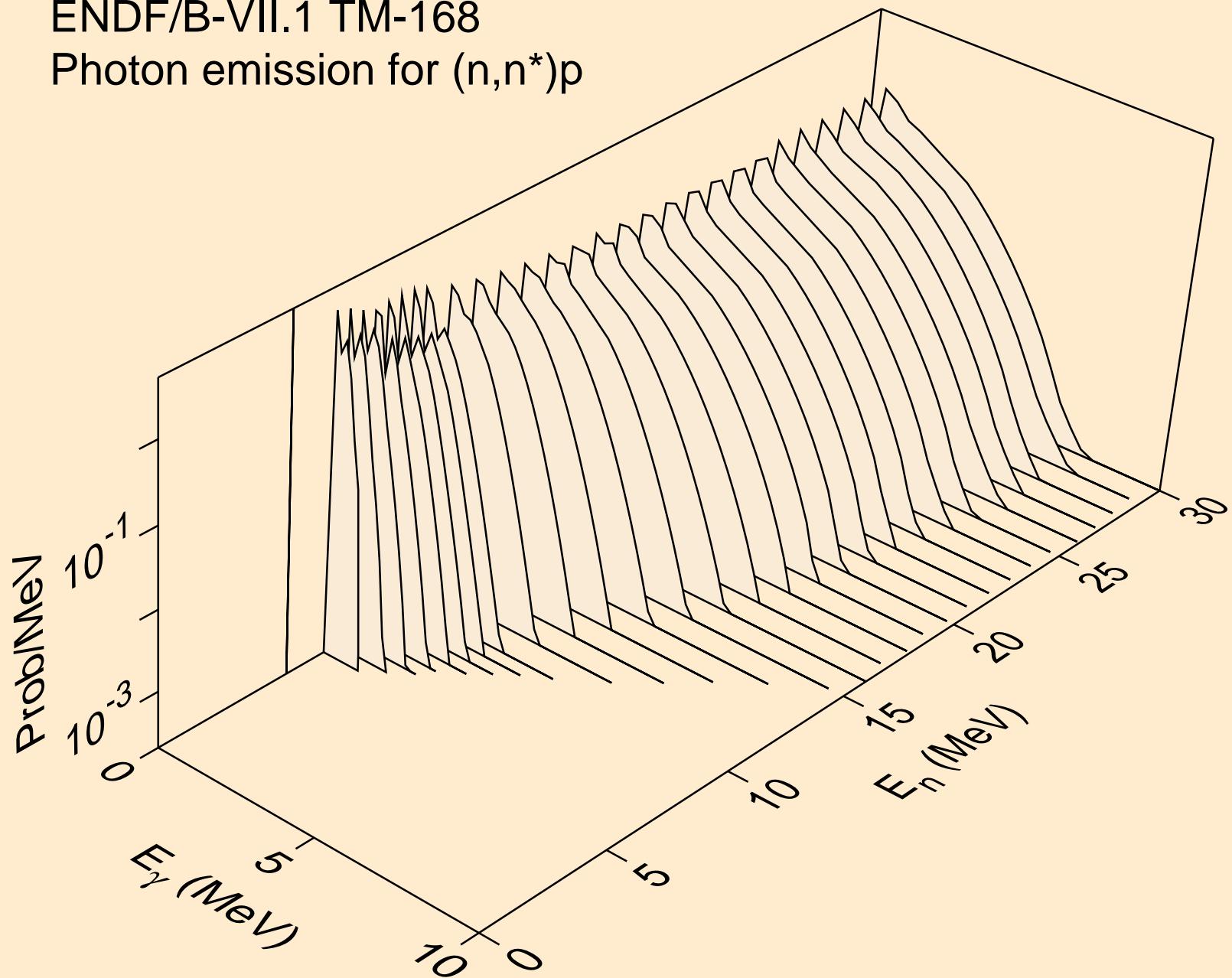
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Photon emission for (n,3n)



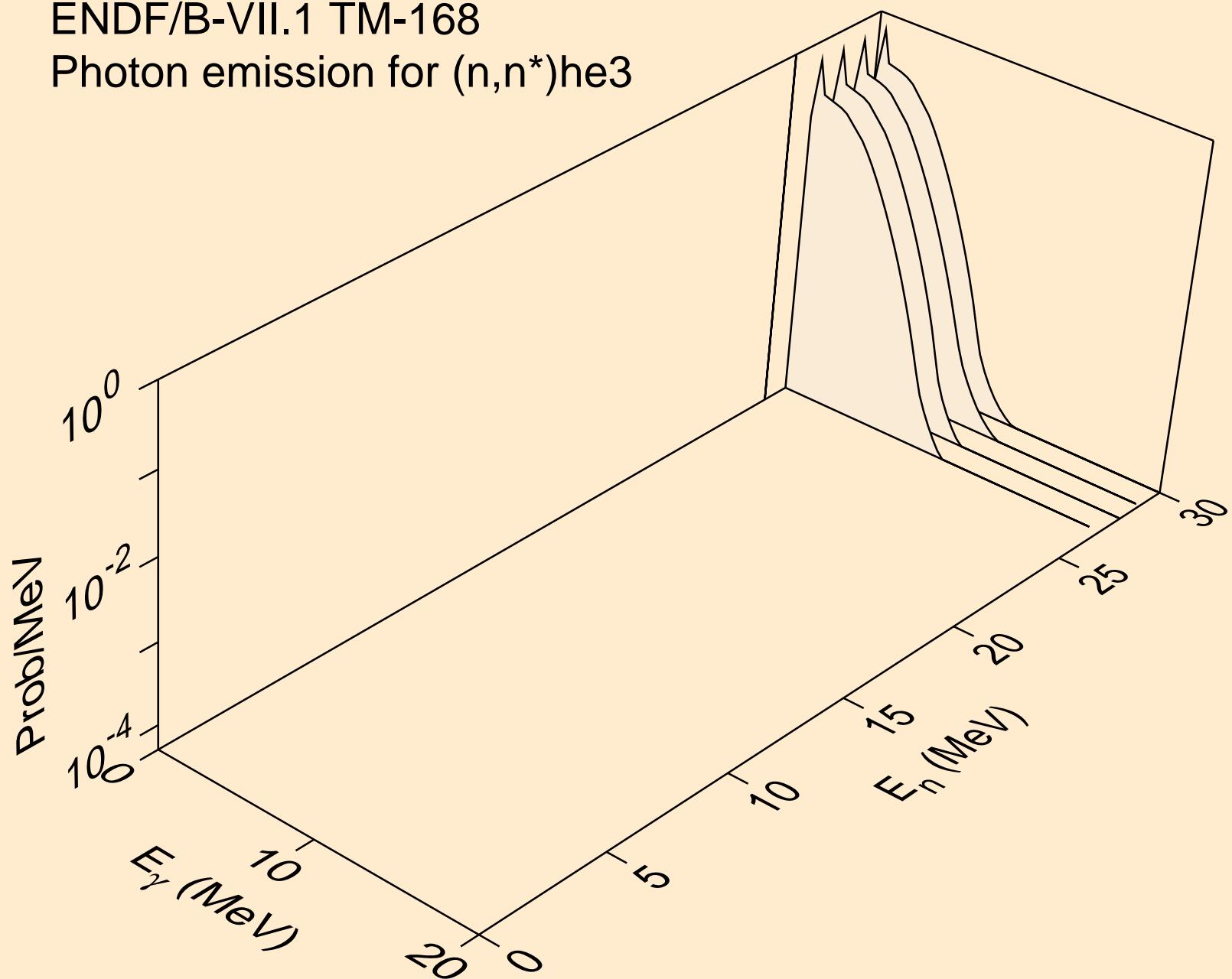
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Photon emission for  $(n,n^*)a$



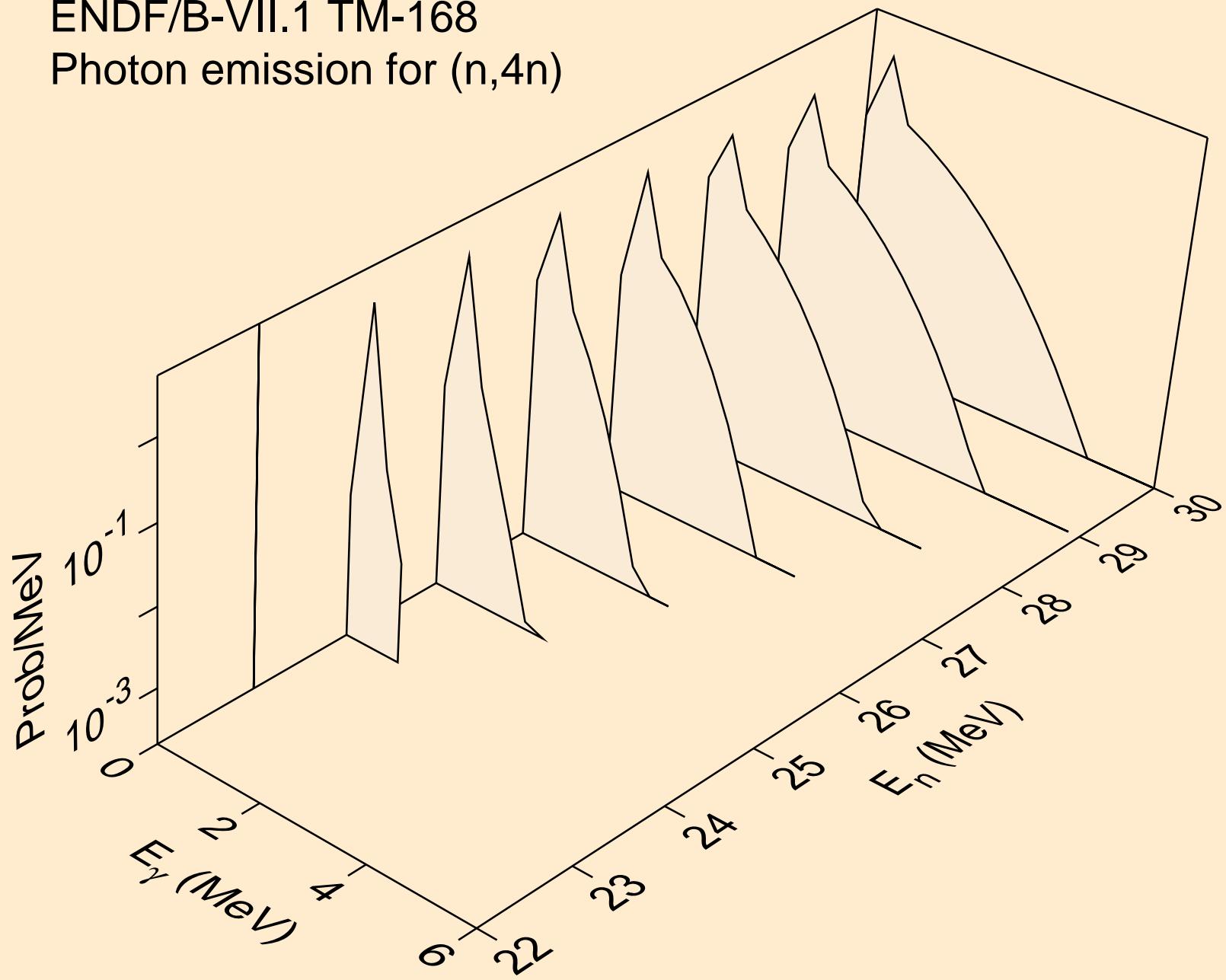
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Photon emission for  $(n,n^*)p$



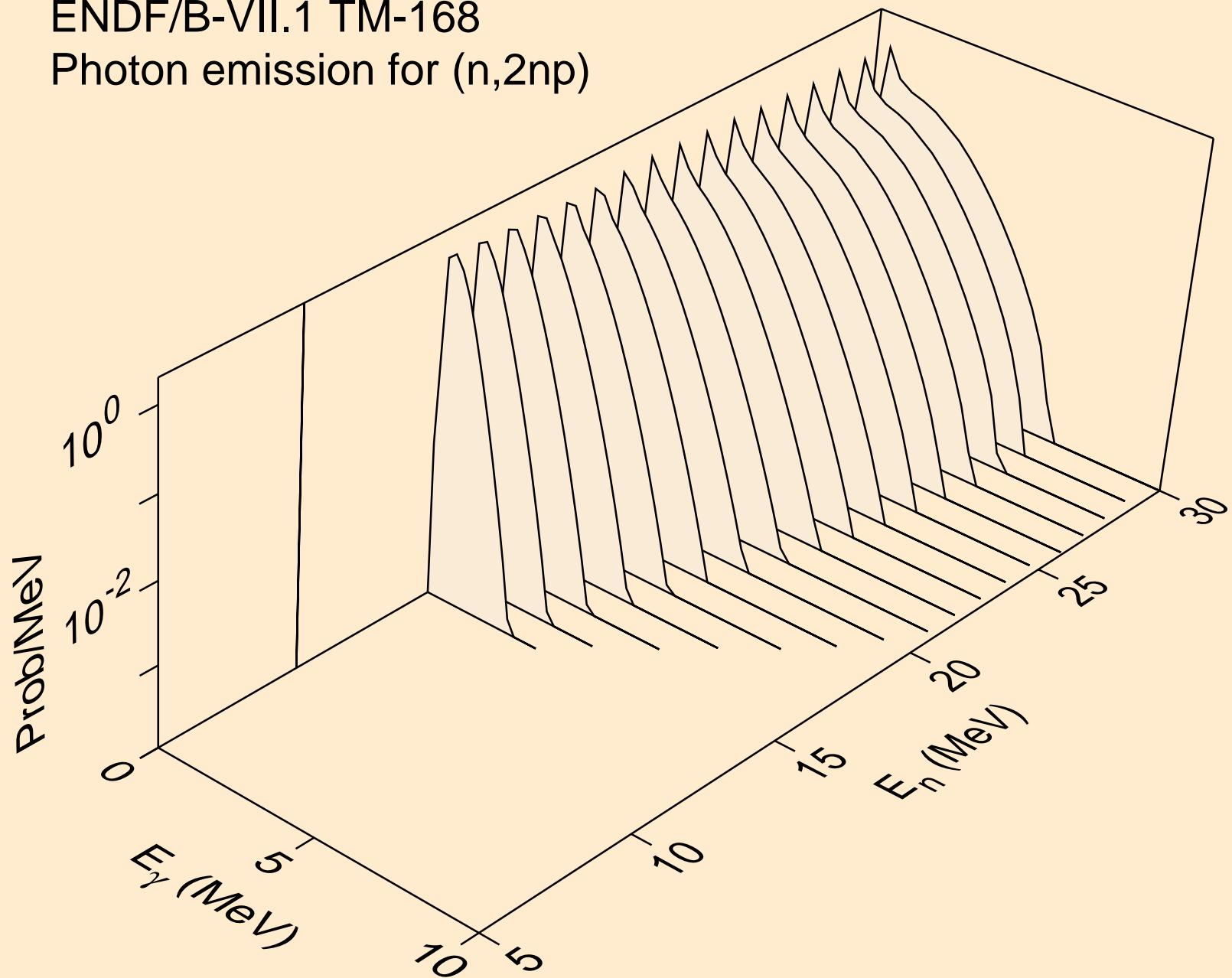
ENDF/B-VII.1 TM-168  
Photon emission for  $(n,n^*)\text{he3}$



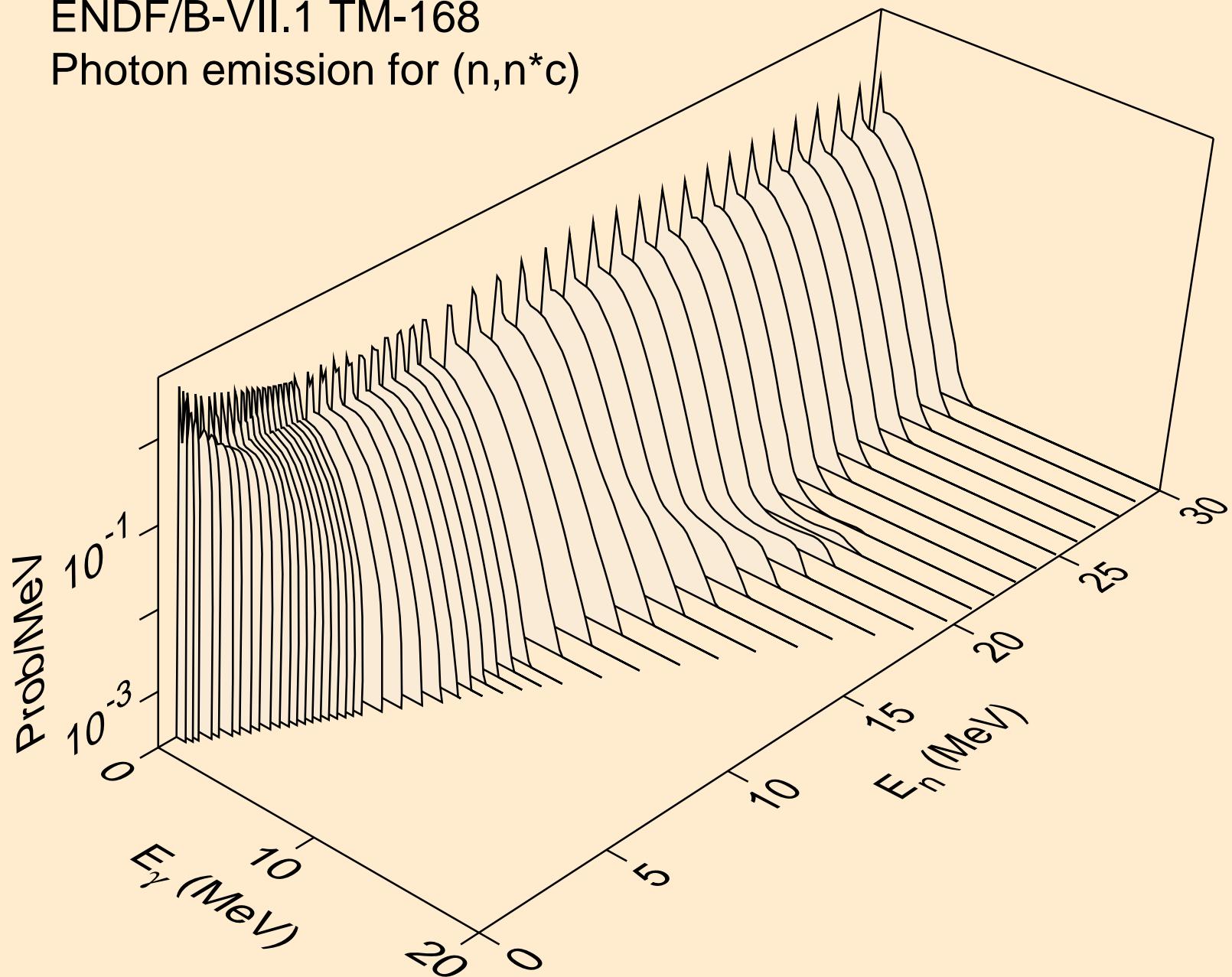
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Photon emission for (n,4n)



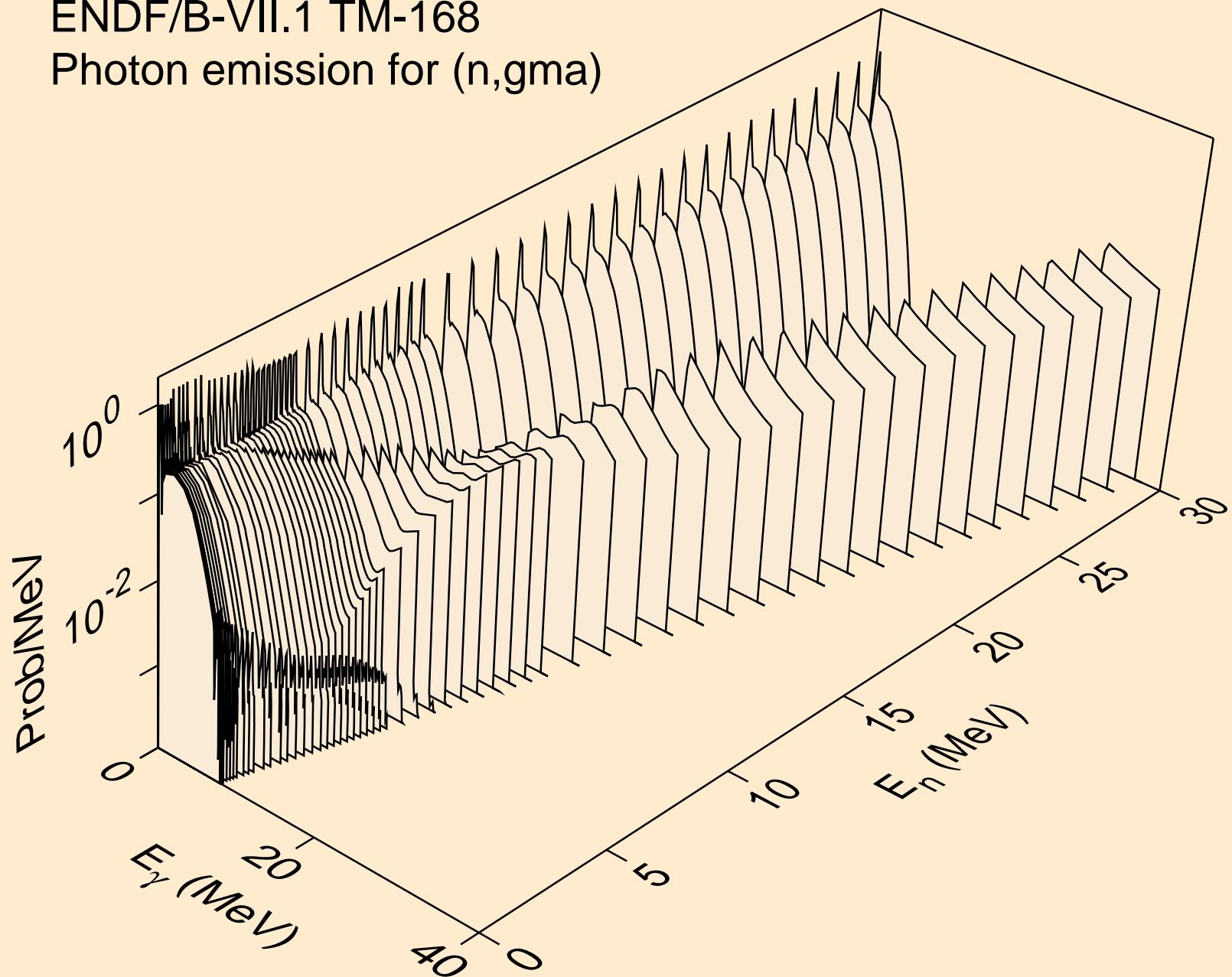
ENDF/B-VII.1 TM-168  
Photon emission for (n,2np)



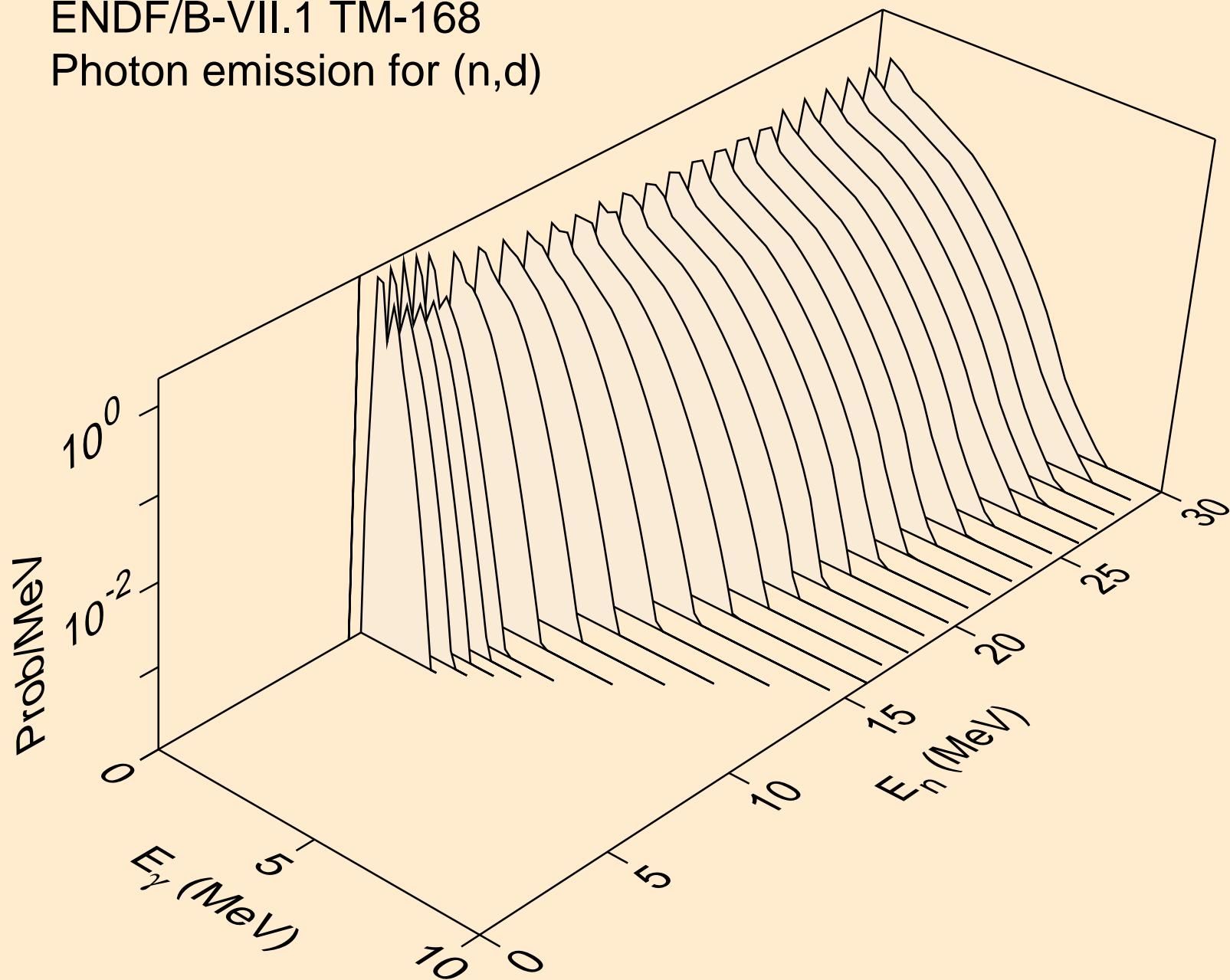
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Photon emission for  $(n, n^* c)$



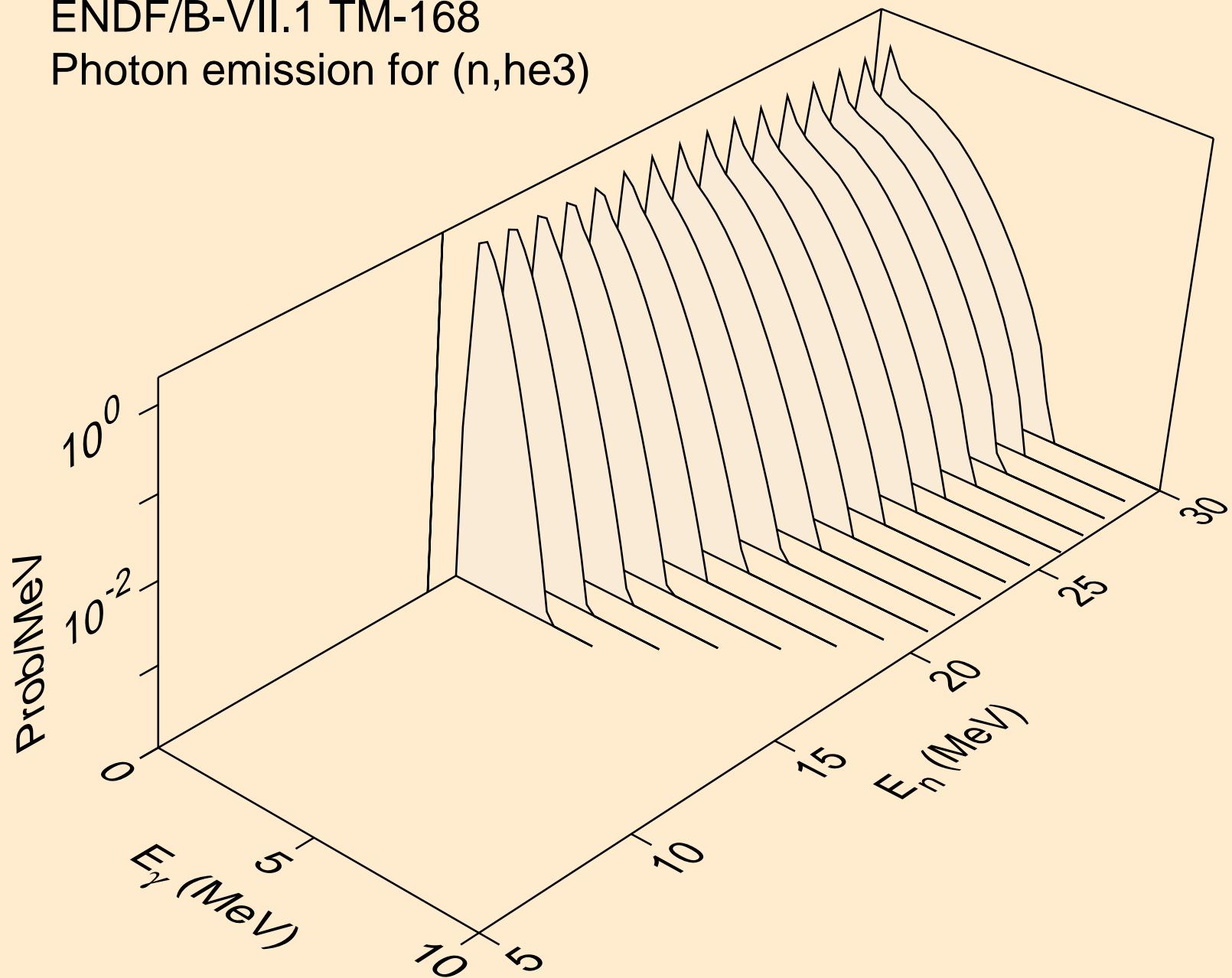
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Photon emission for (n,gma)



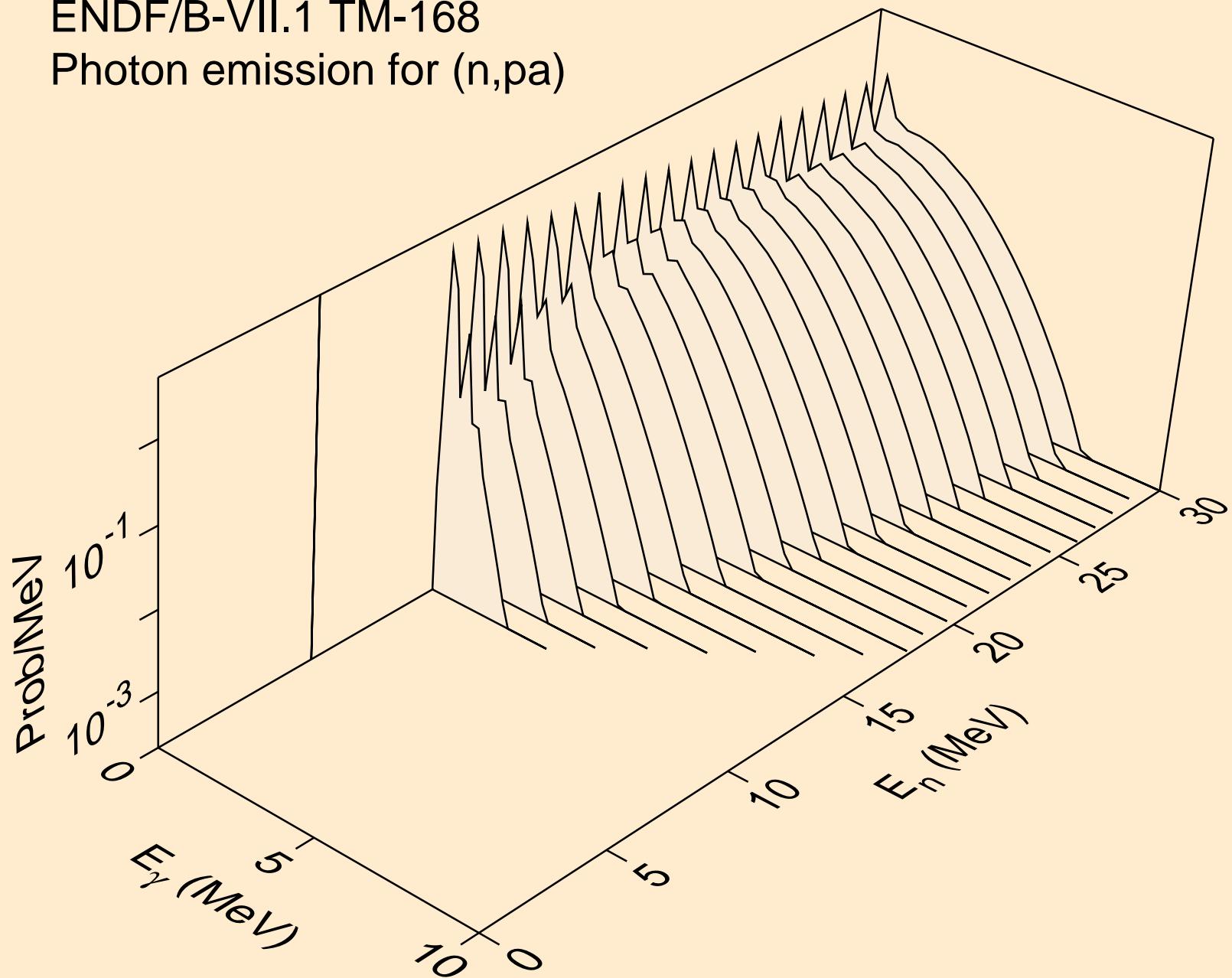
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Photon emission for (n,d)



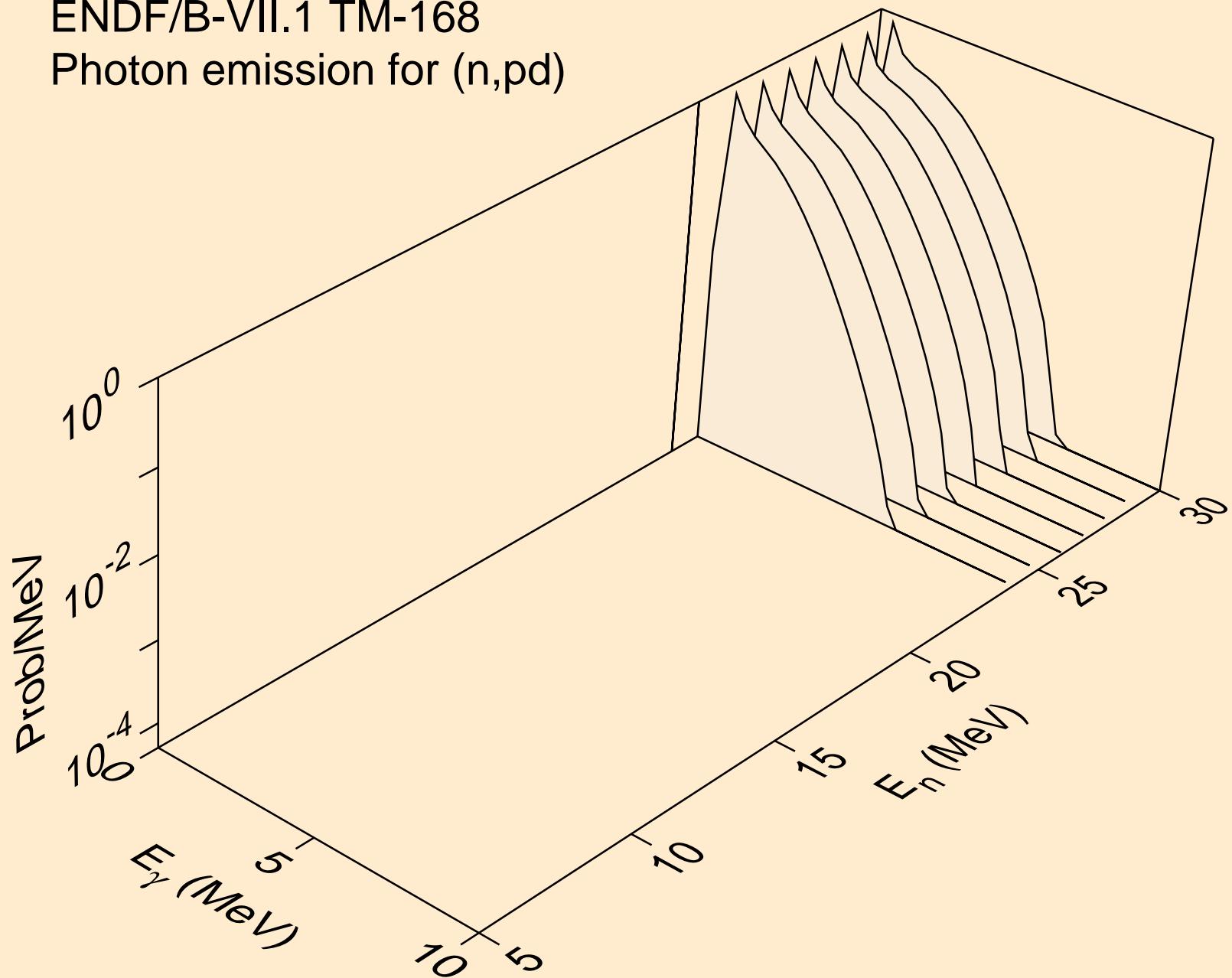
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Photon emission for (n,he3)



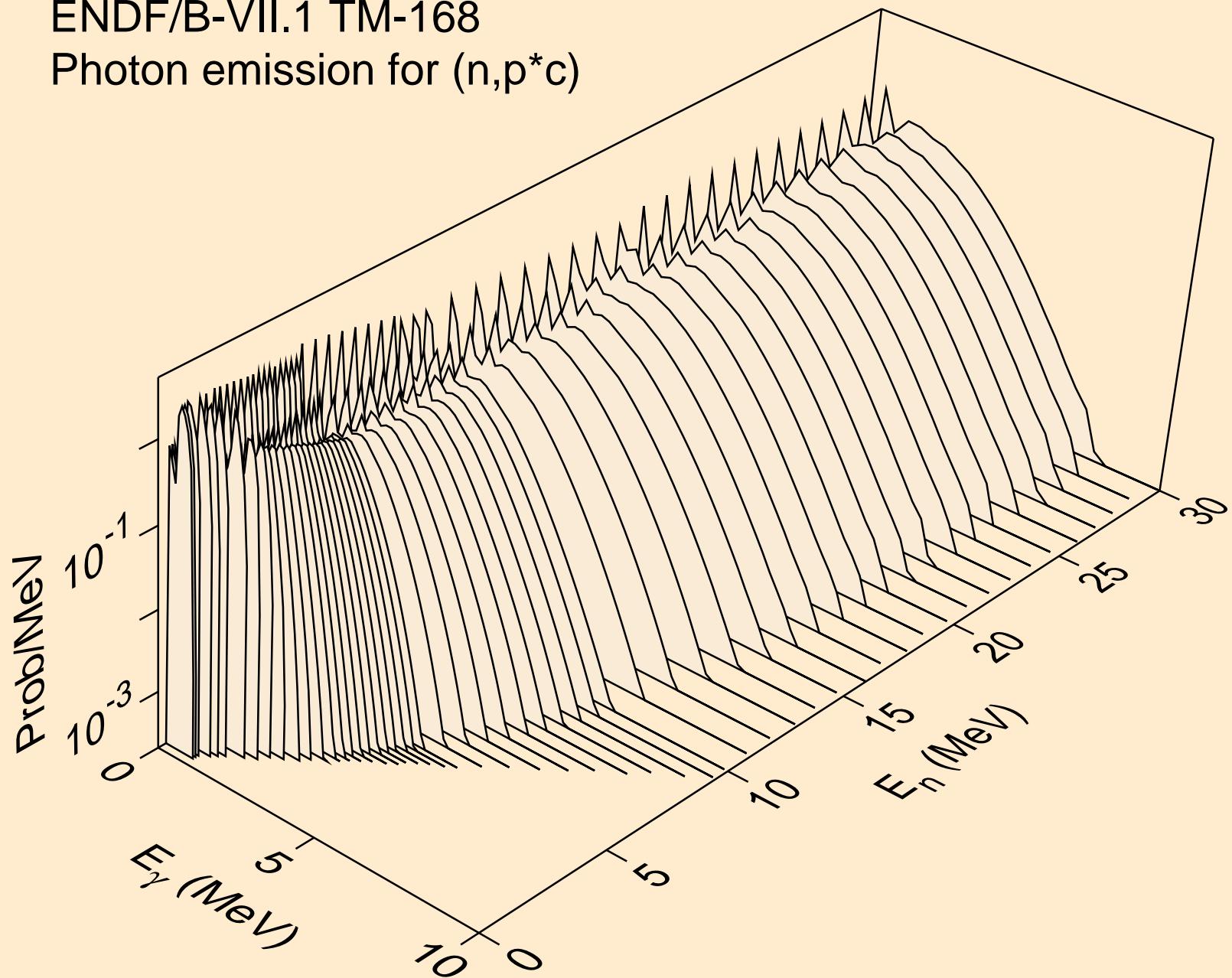
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Photon emission for (n,pa)



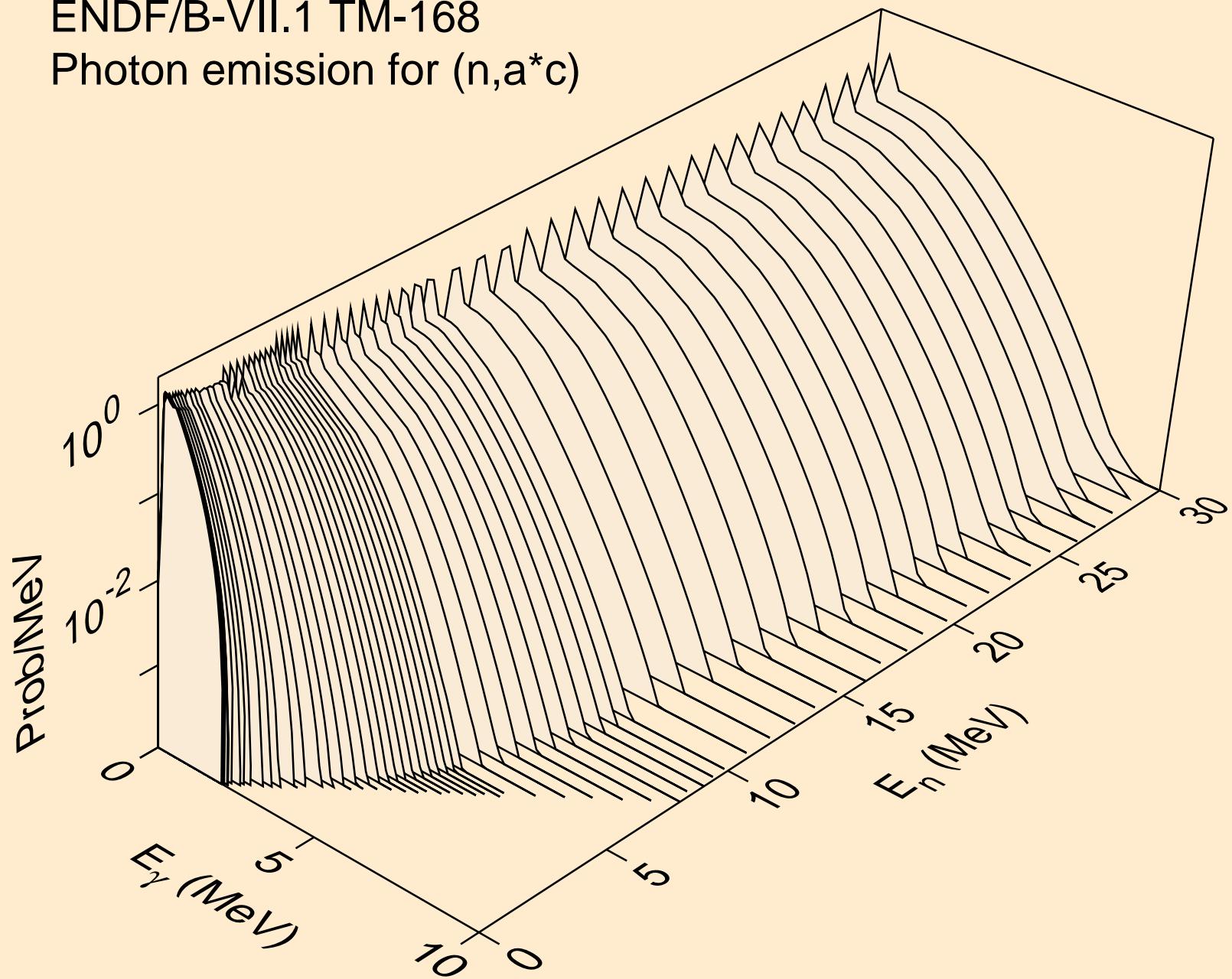
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Photon emission for (n,pd)



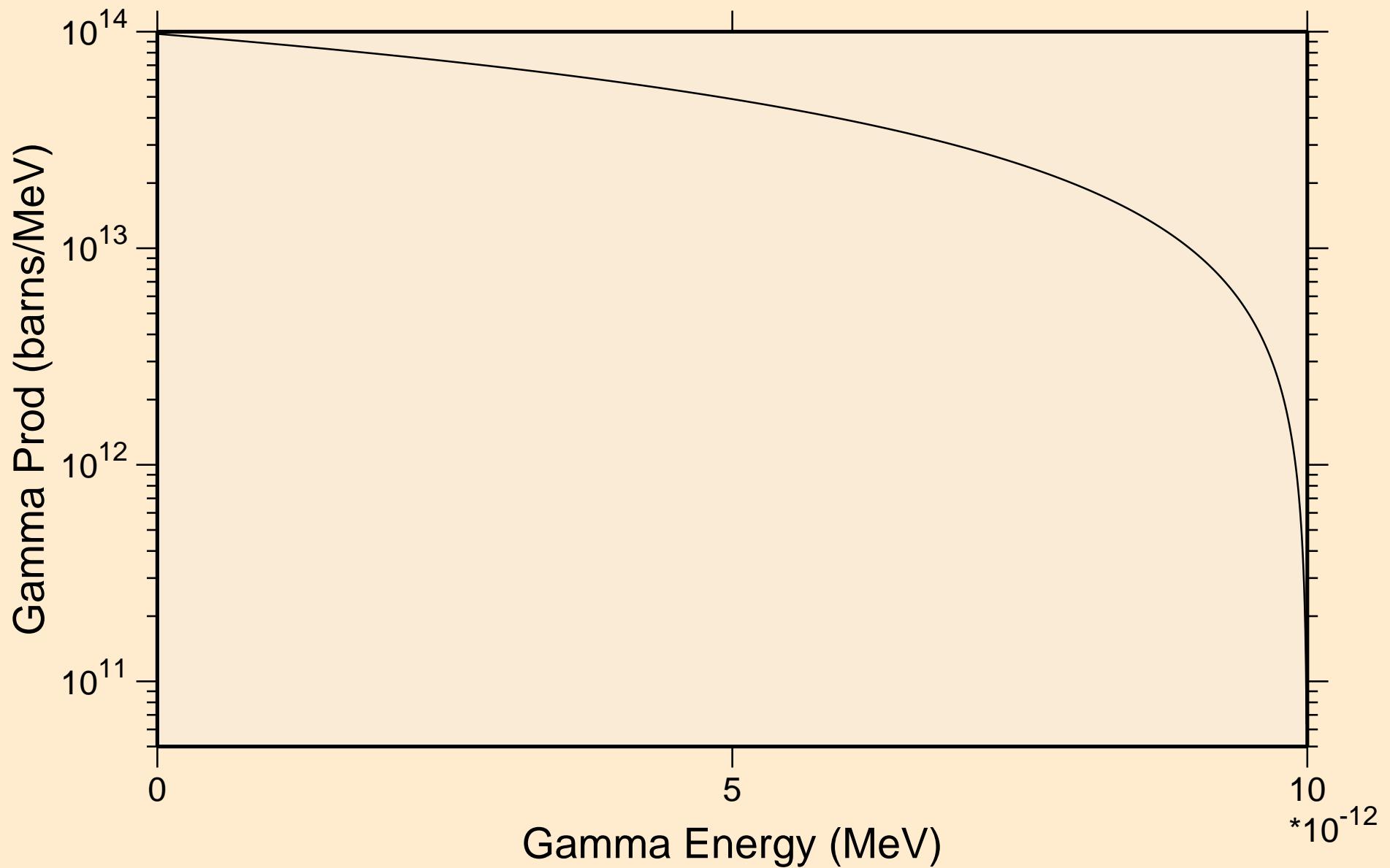
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Photon emission for  $(n, p^* c)$



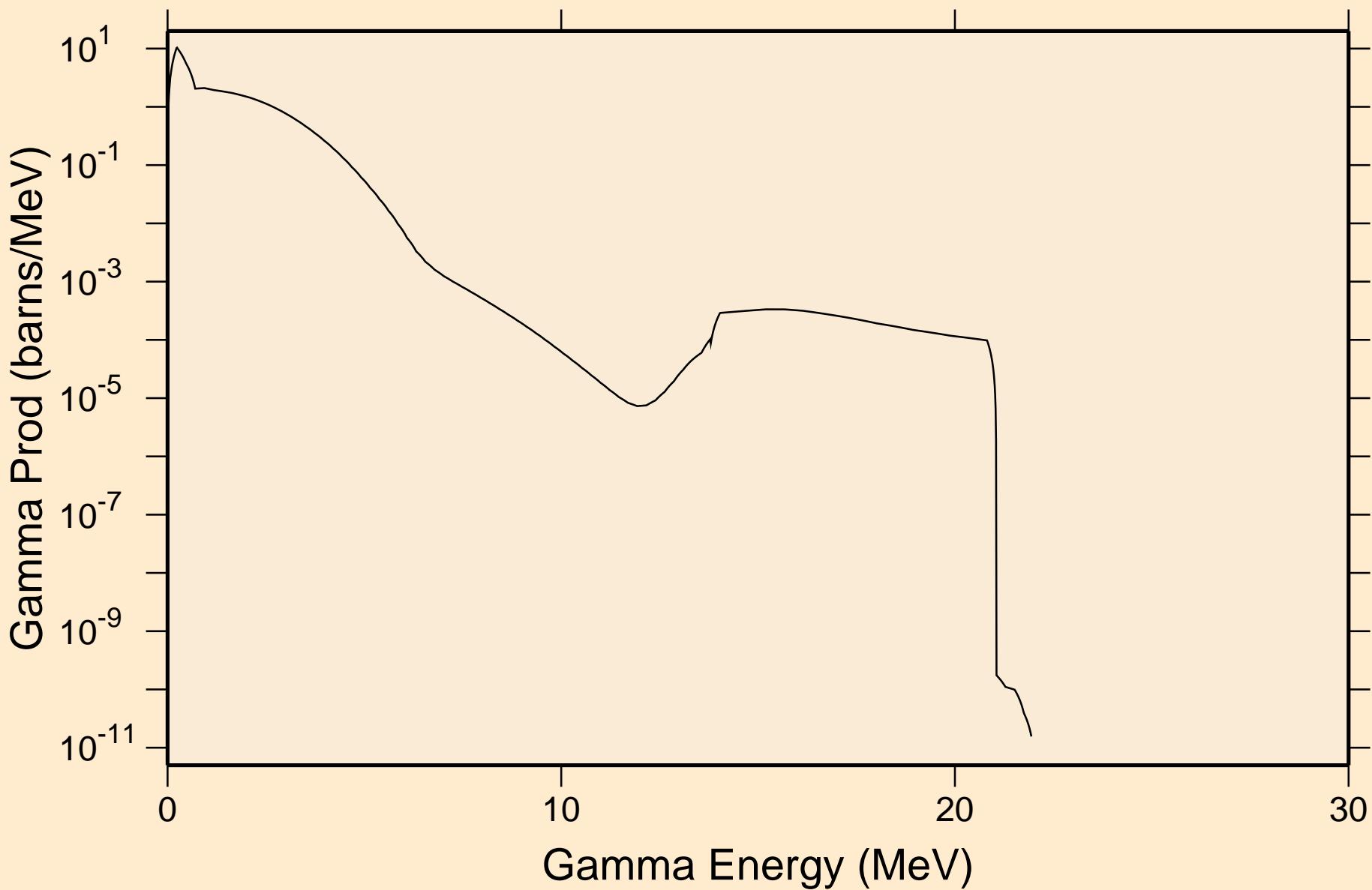
ENDF/B-VII.1 TM-168  
Photon emission for  $(n, a^* c)$



ENDF/B-VII.1 TM-168  
thermal capture photon spectrum

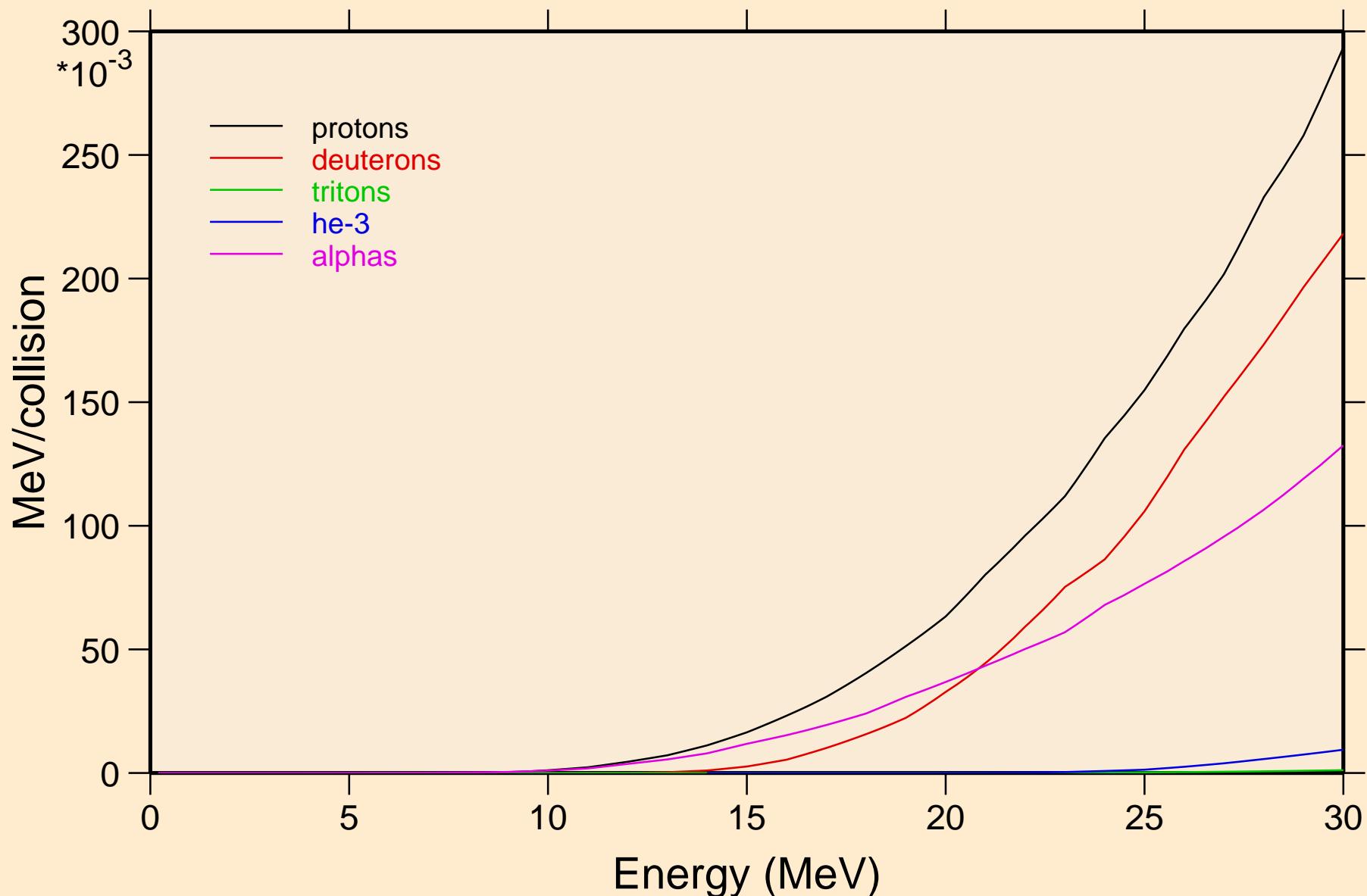


ENDF/B-VII.1 TM-168  
14 MeV photon spectrum



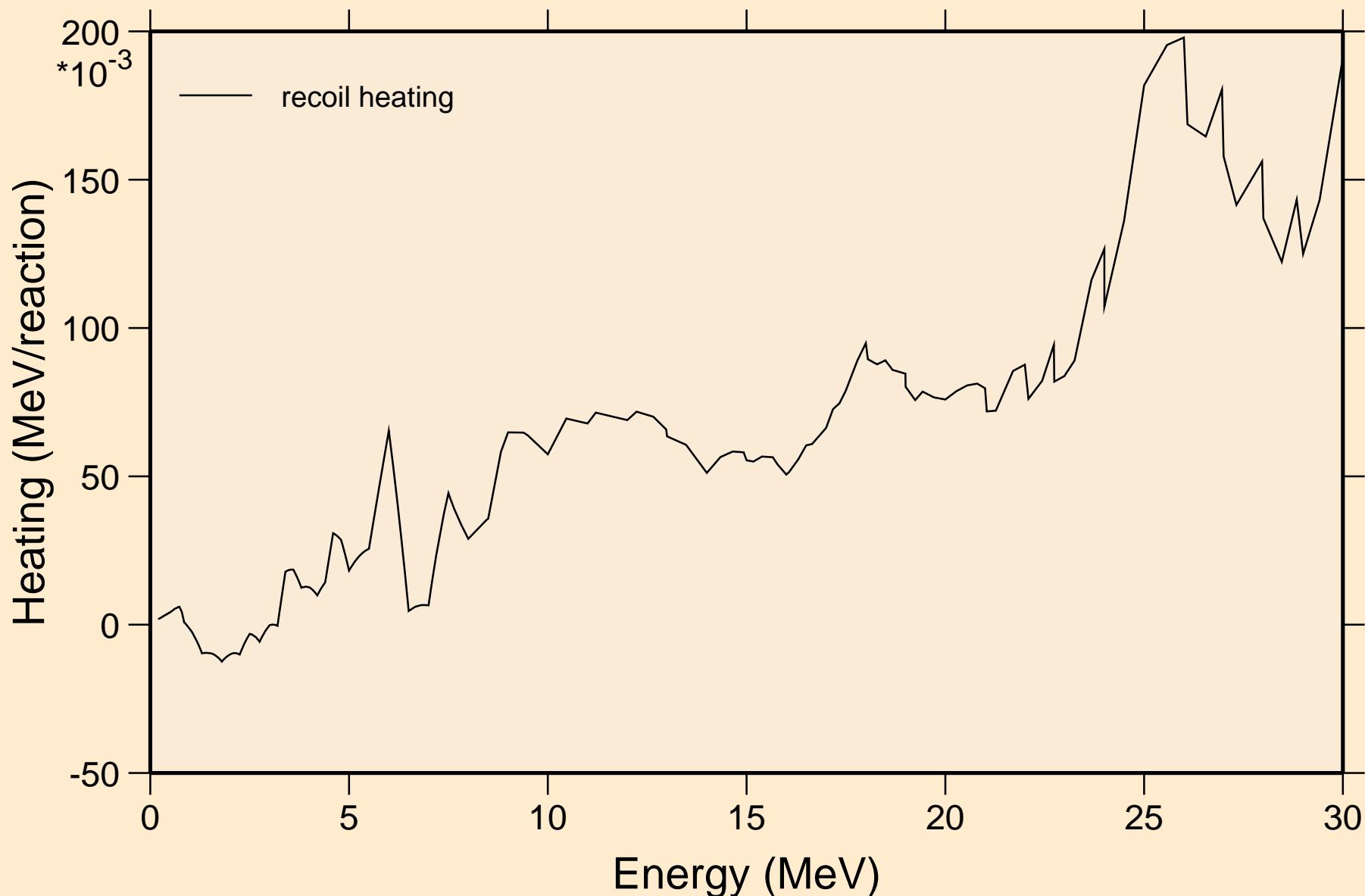
# ENDF/B-VII.1 TM-168

## Particle heating contributions

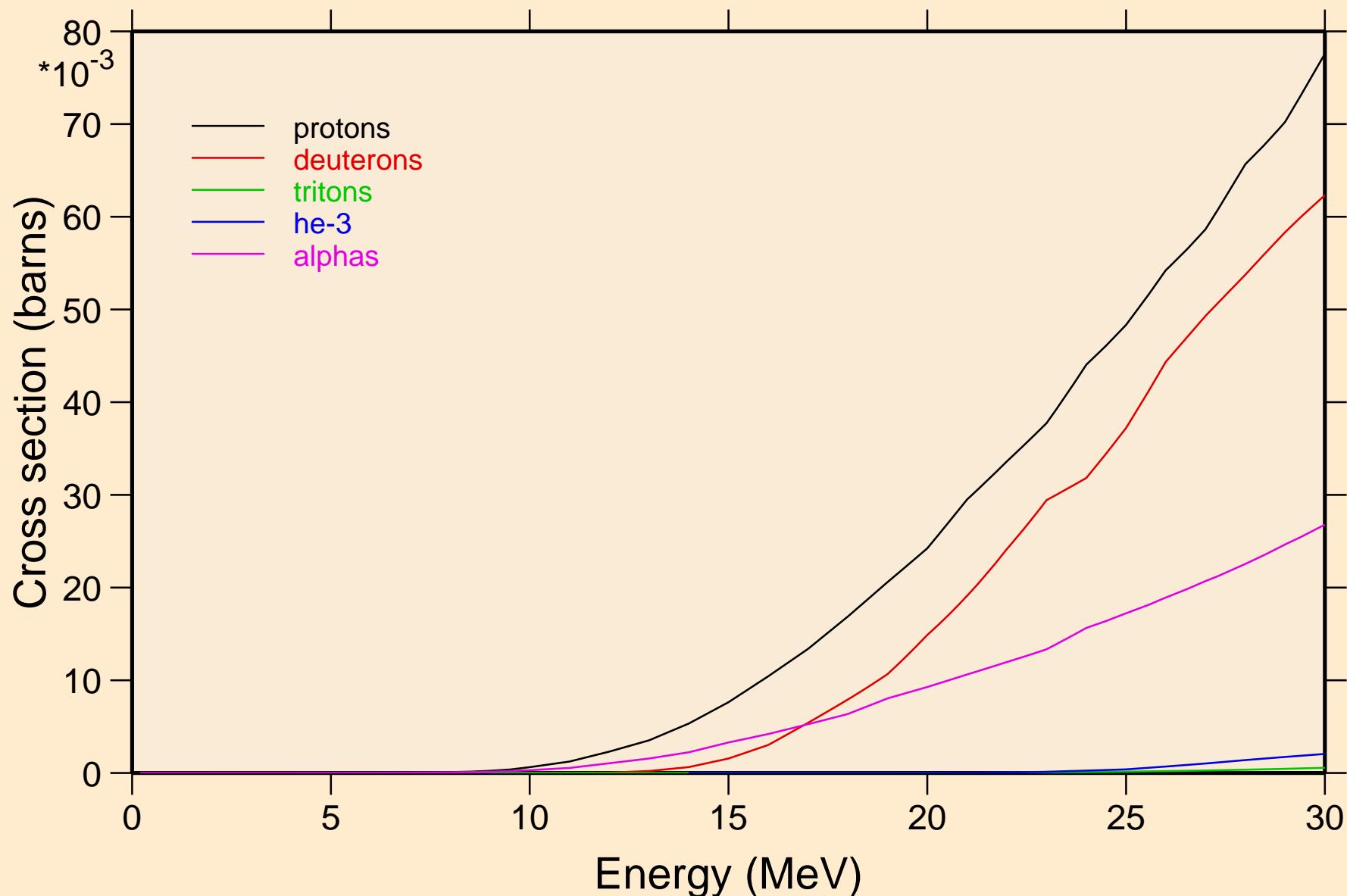


# ENDF/B-VII.1 TM-168

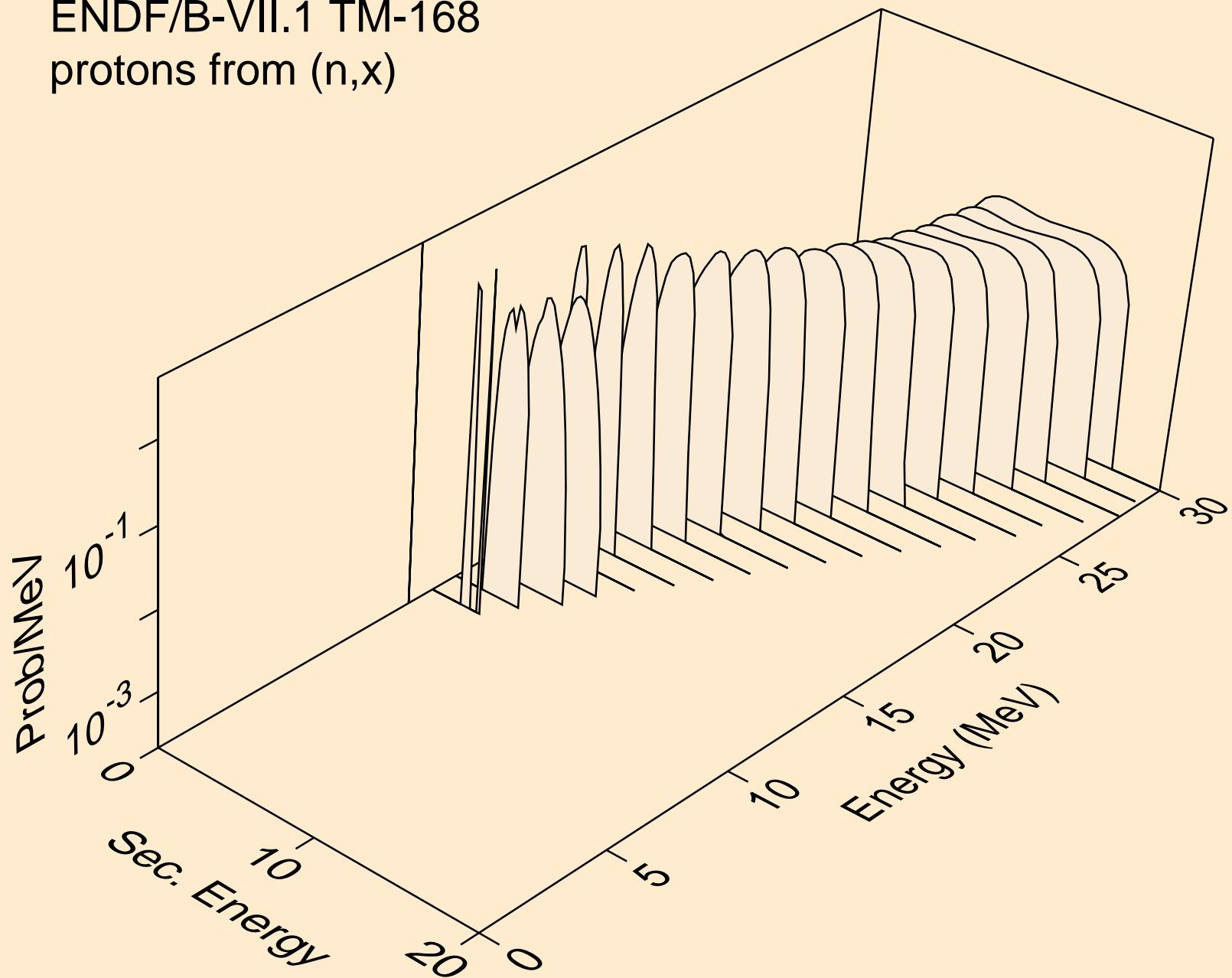
## Recoil Heating



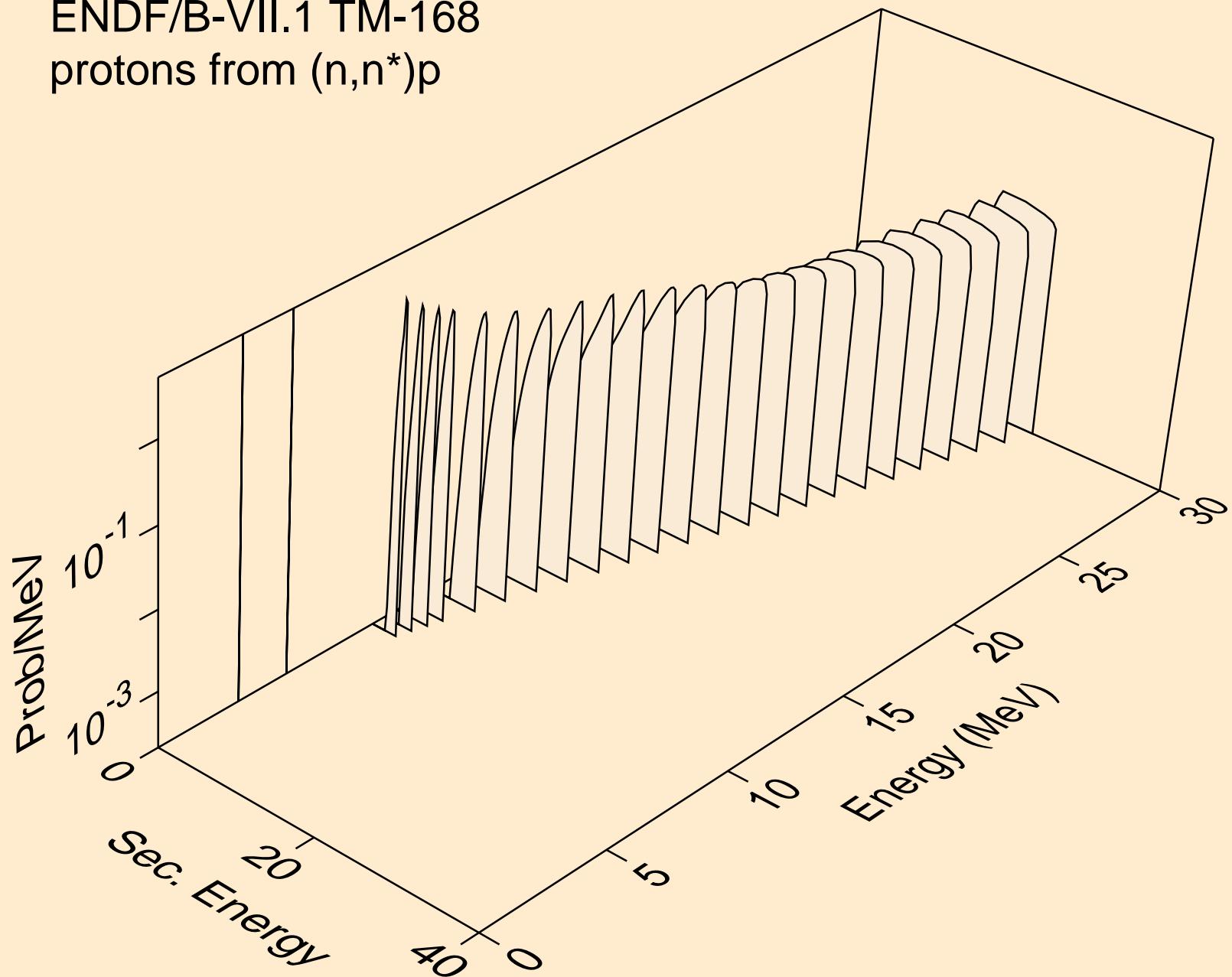
ENDF/B-VII.1 TM-168  
Particle production cross sections



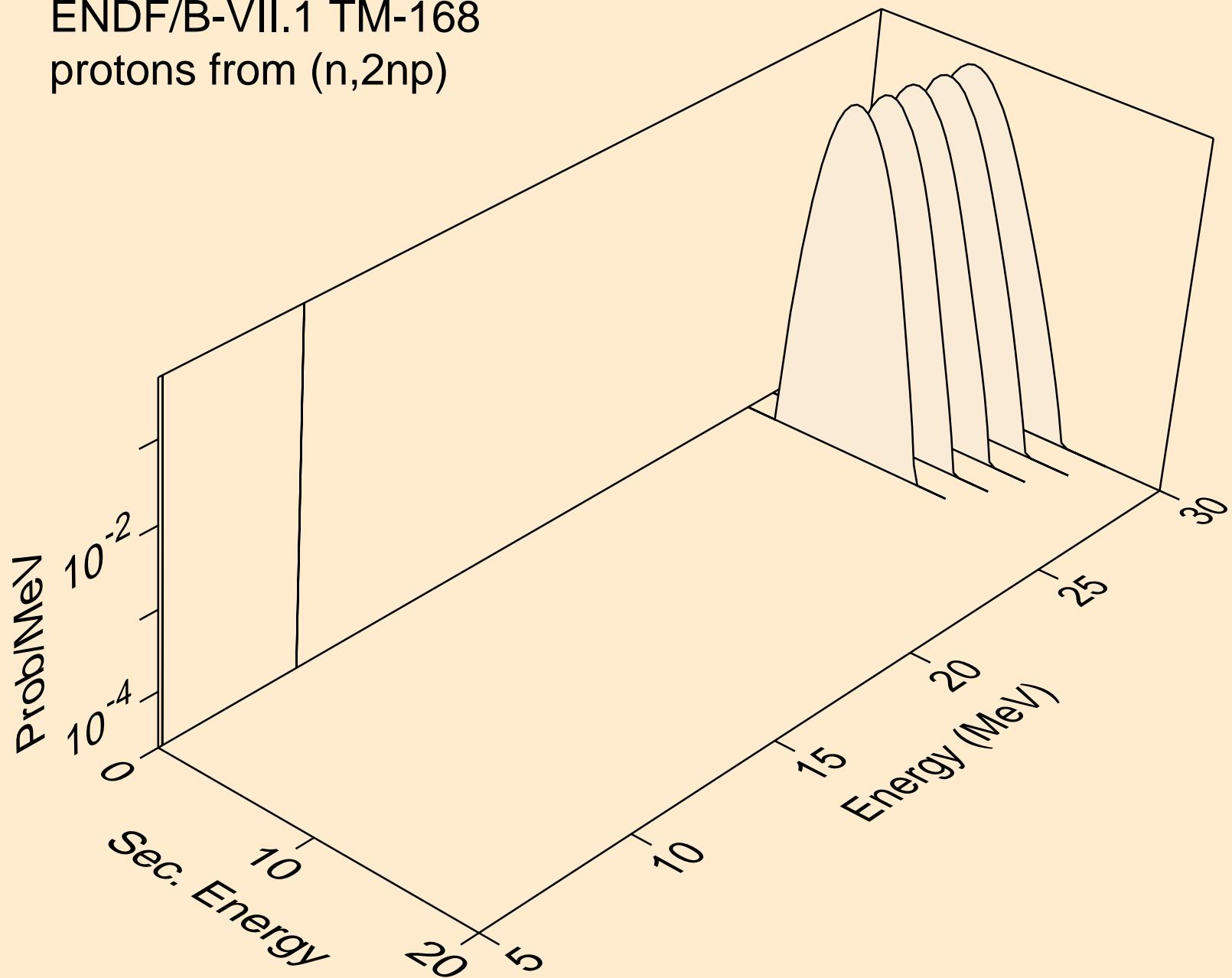
ENDF/B-VII.1 TM-168  
protons from ( $n, x$ )



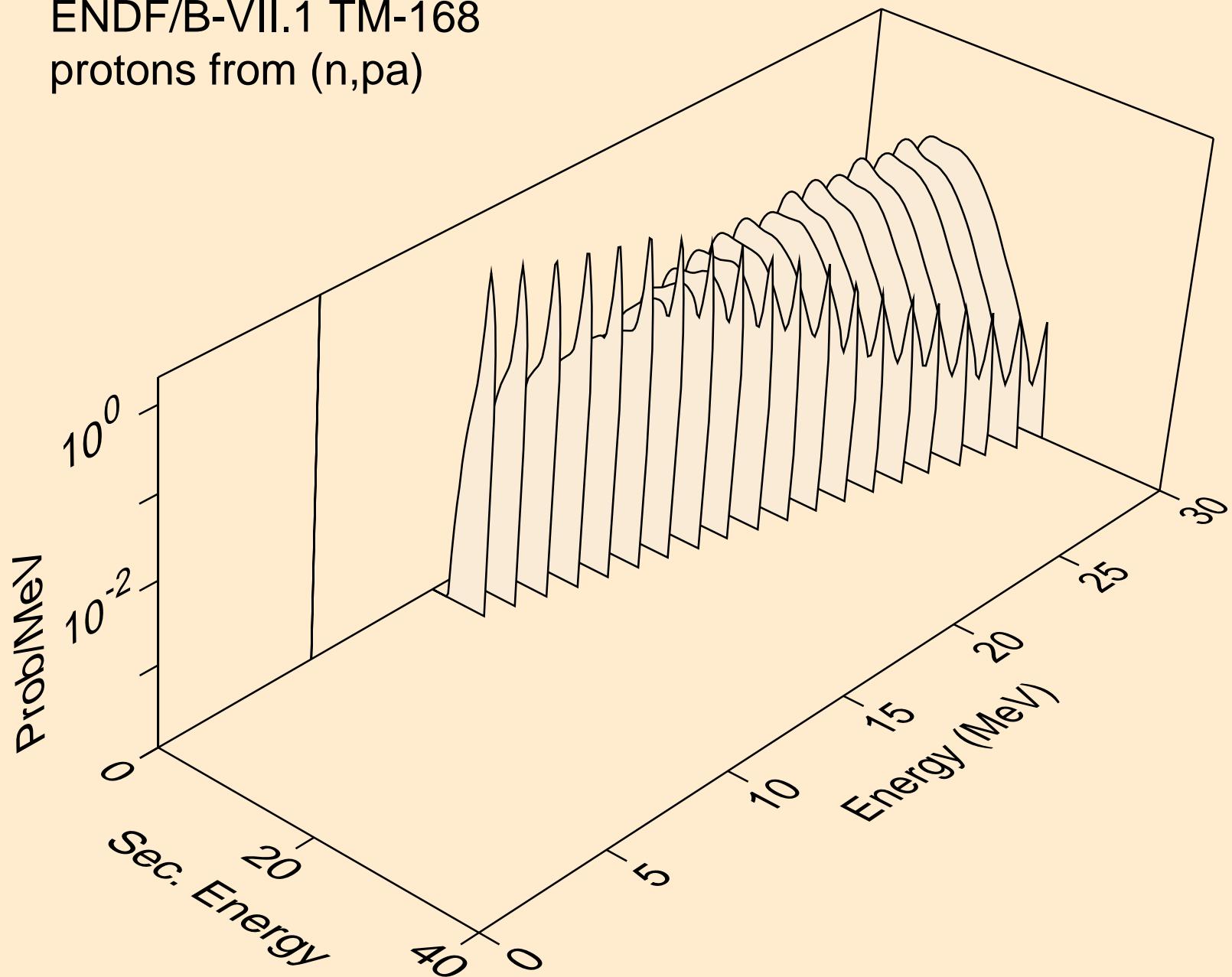
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protons from  $(n,n^*)p$



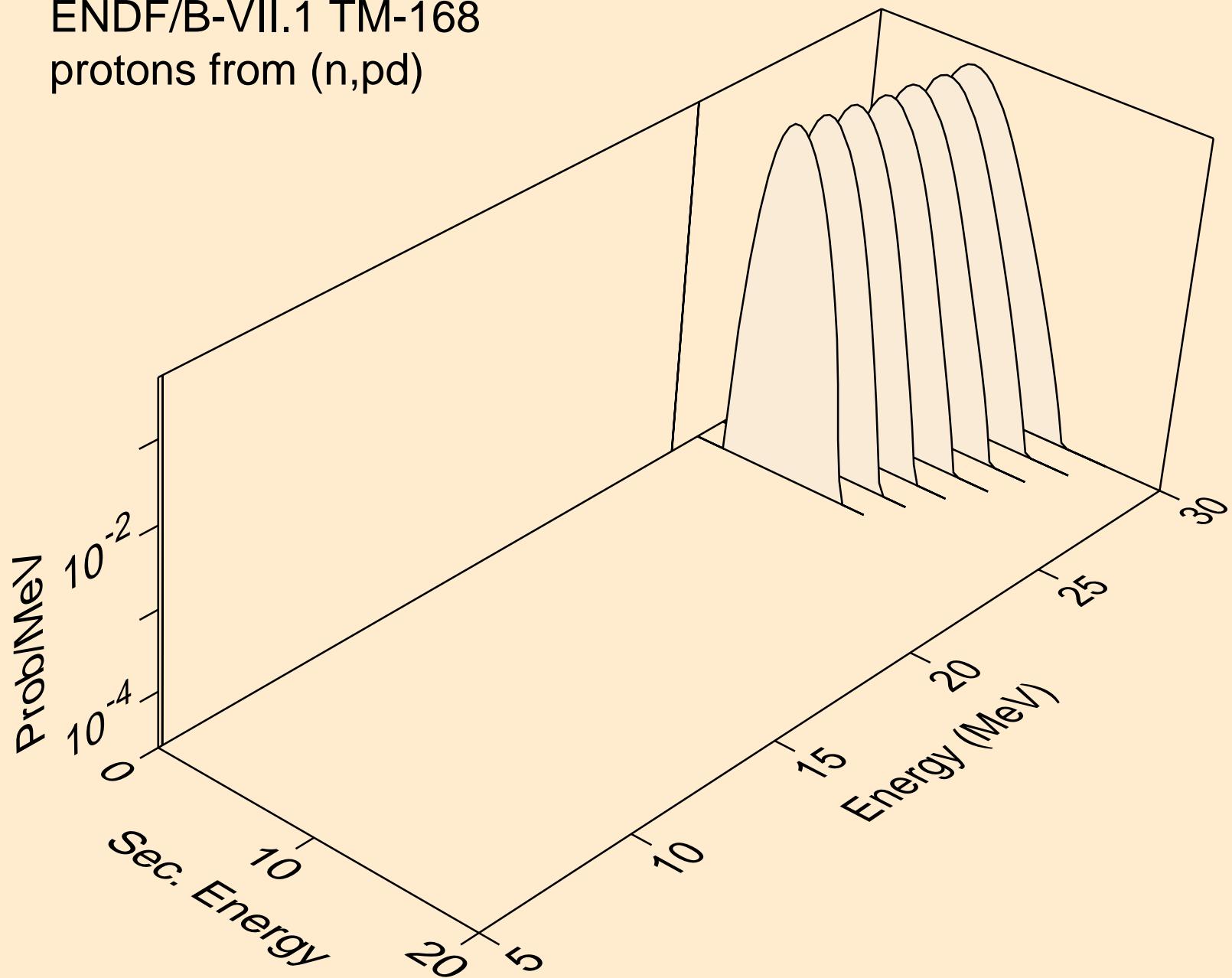
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protons from ( $n,2np$ )



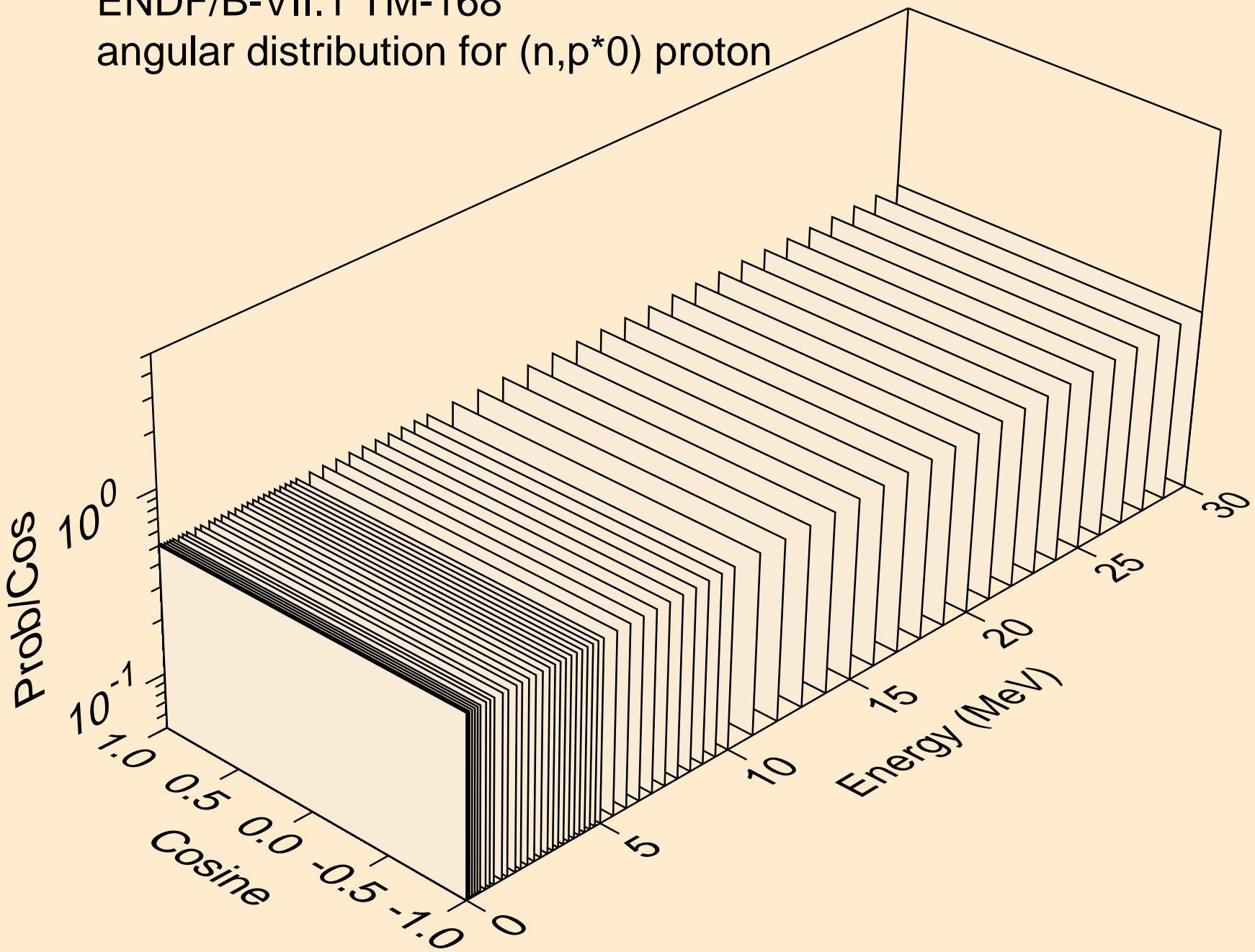
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protons from (n,pa)



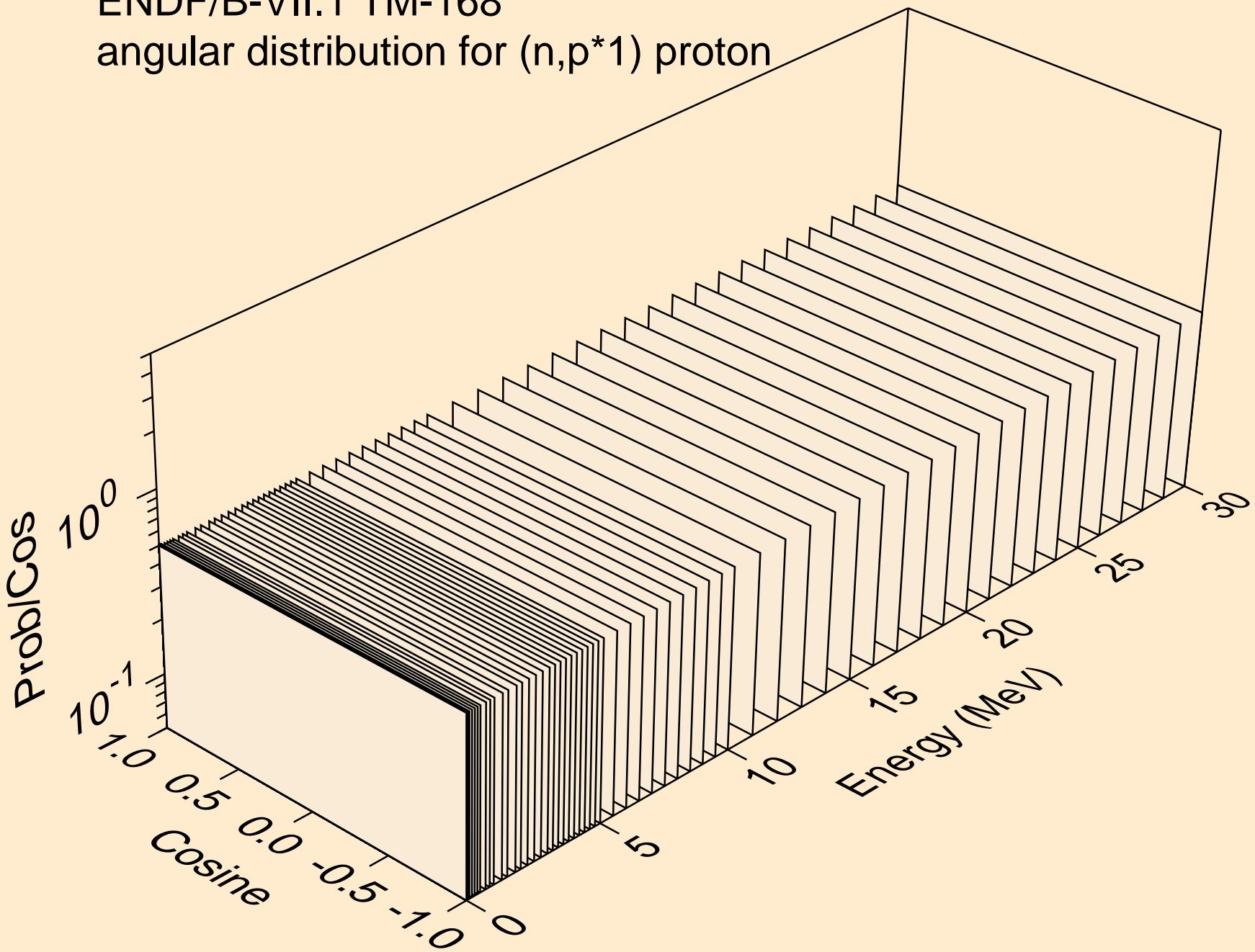
ENDF/B-VII.1 TM-168  
protons from (n,pd)



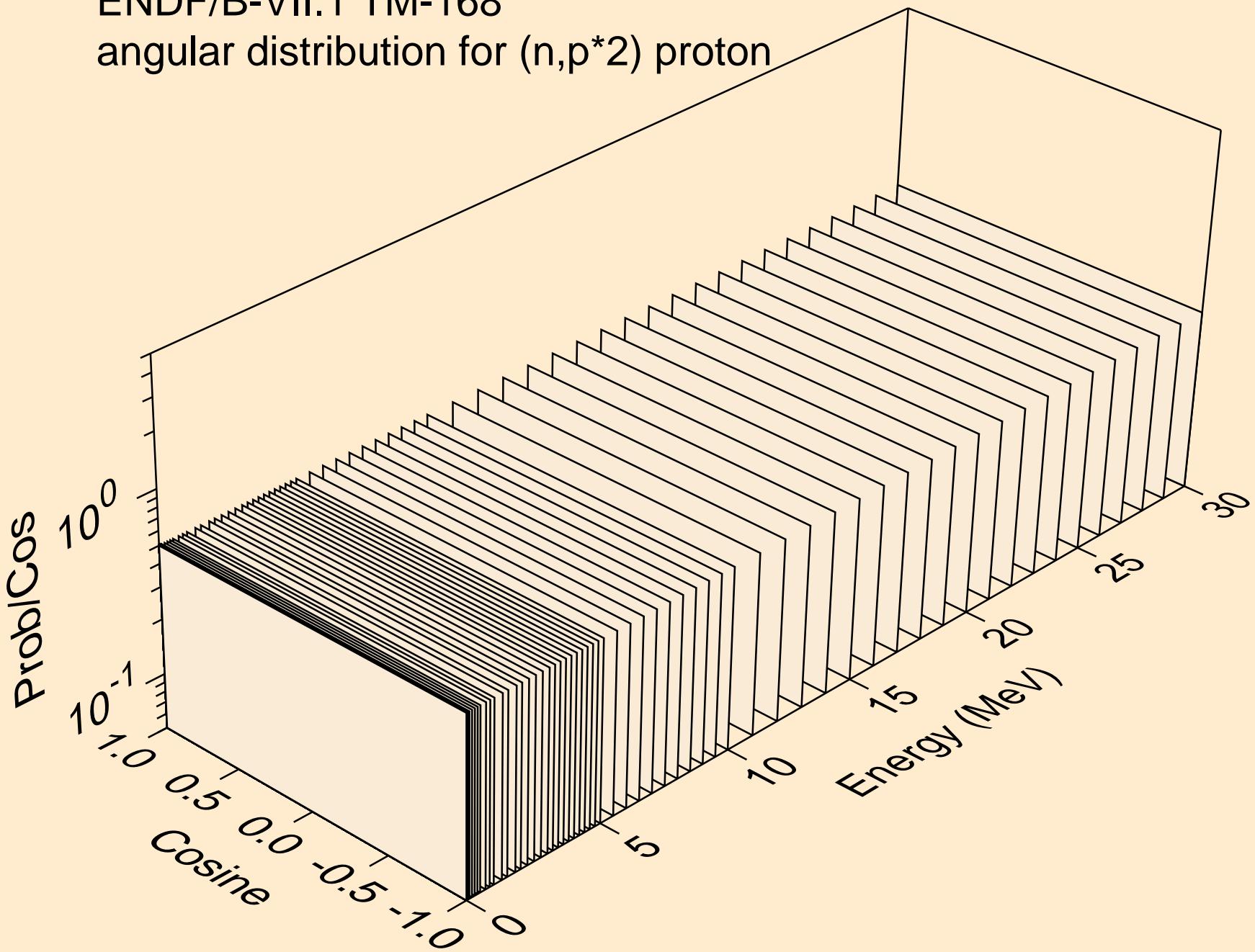
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,p^*0)$  proton



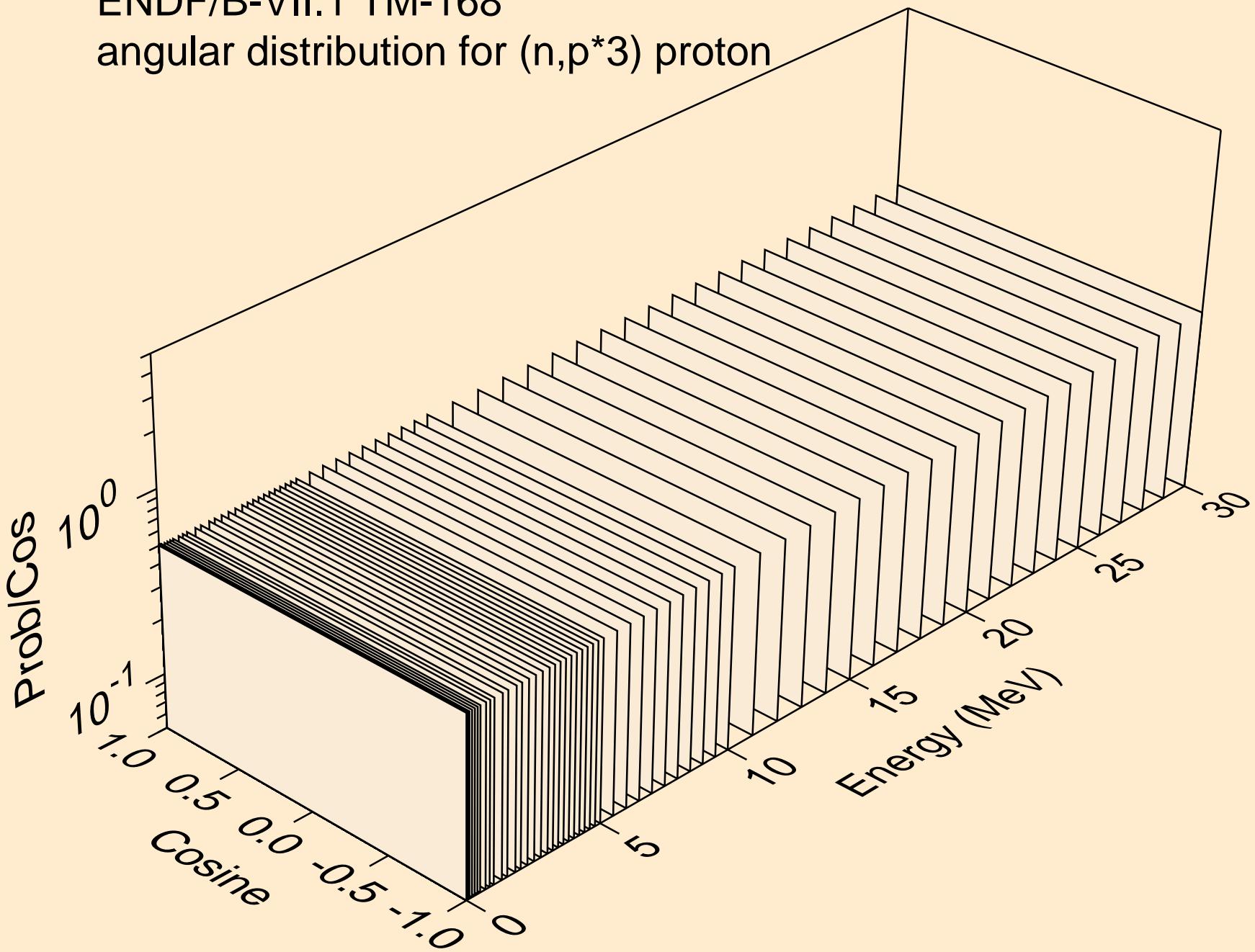
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angular distribution for  $(n,p^*1)$  proton



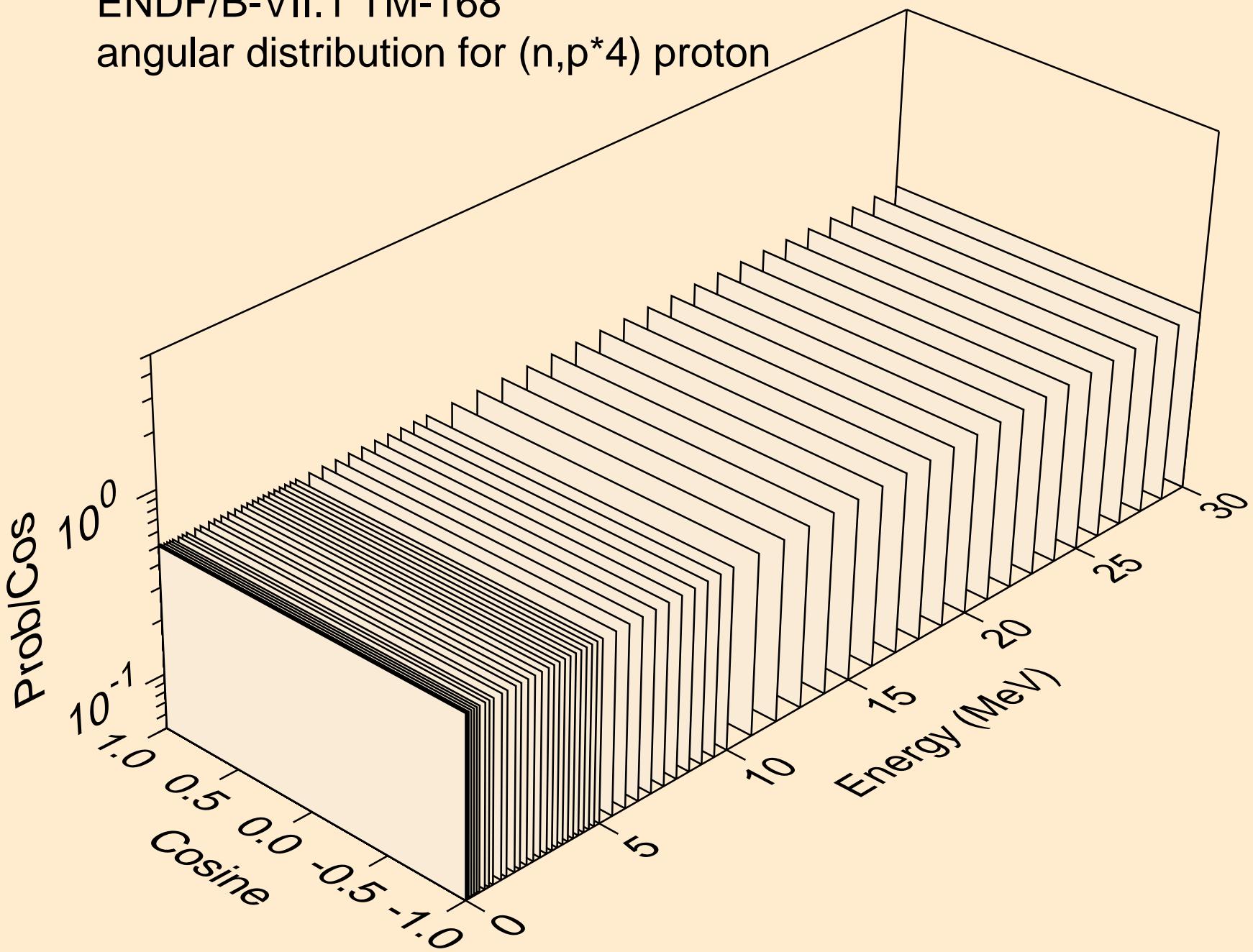
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angular distribution for  $(n,p^*2)$  proton



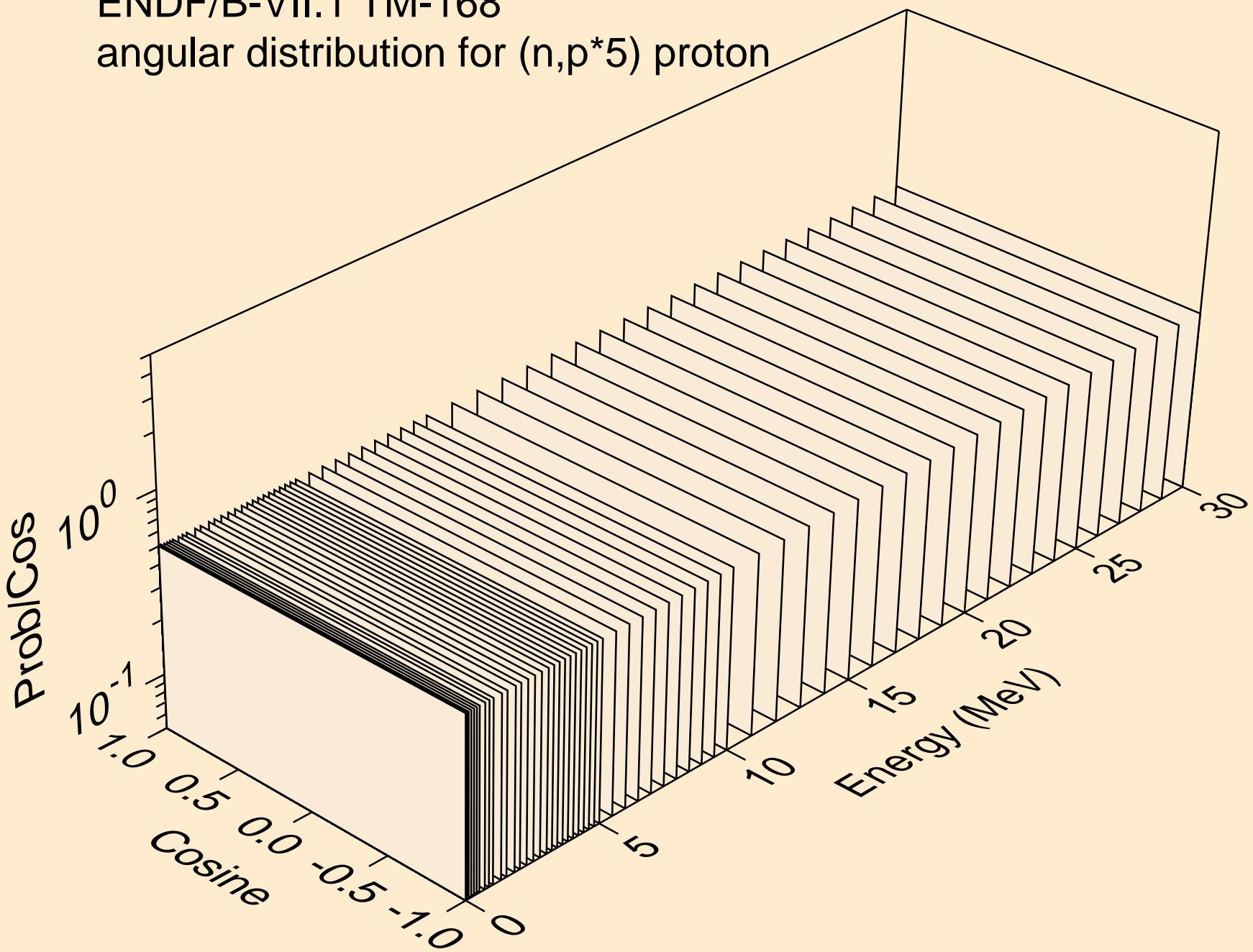
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angular distribution for  $(n,p^*3)$  proton



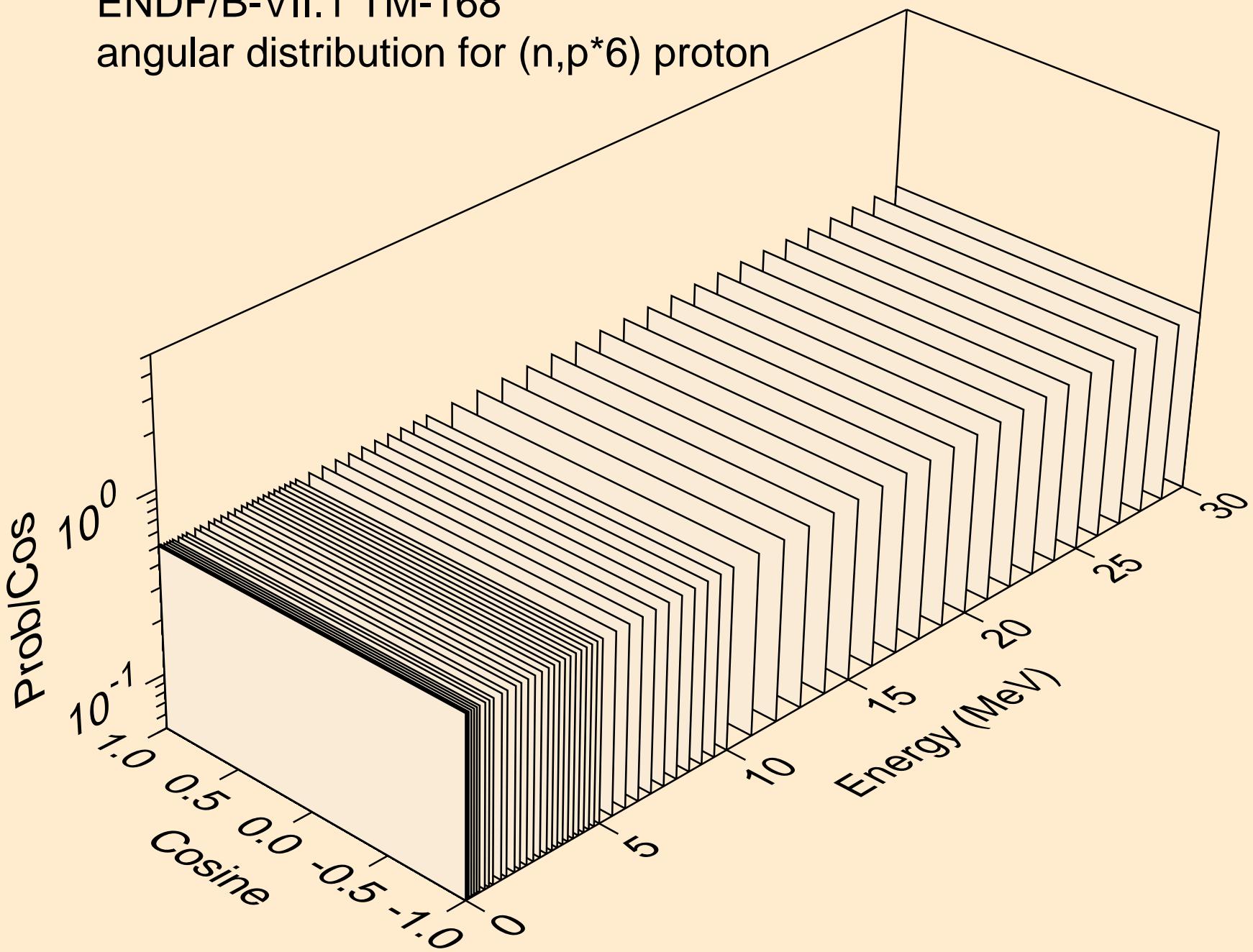
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angular distribution for  $(n,p^*4)$  proton



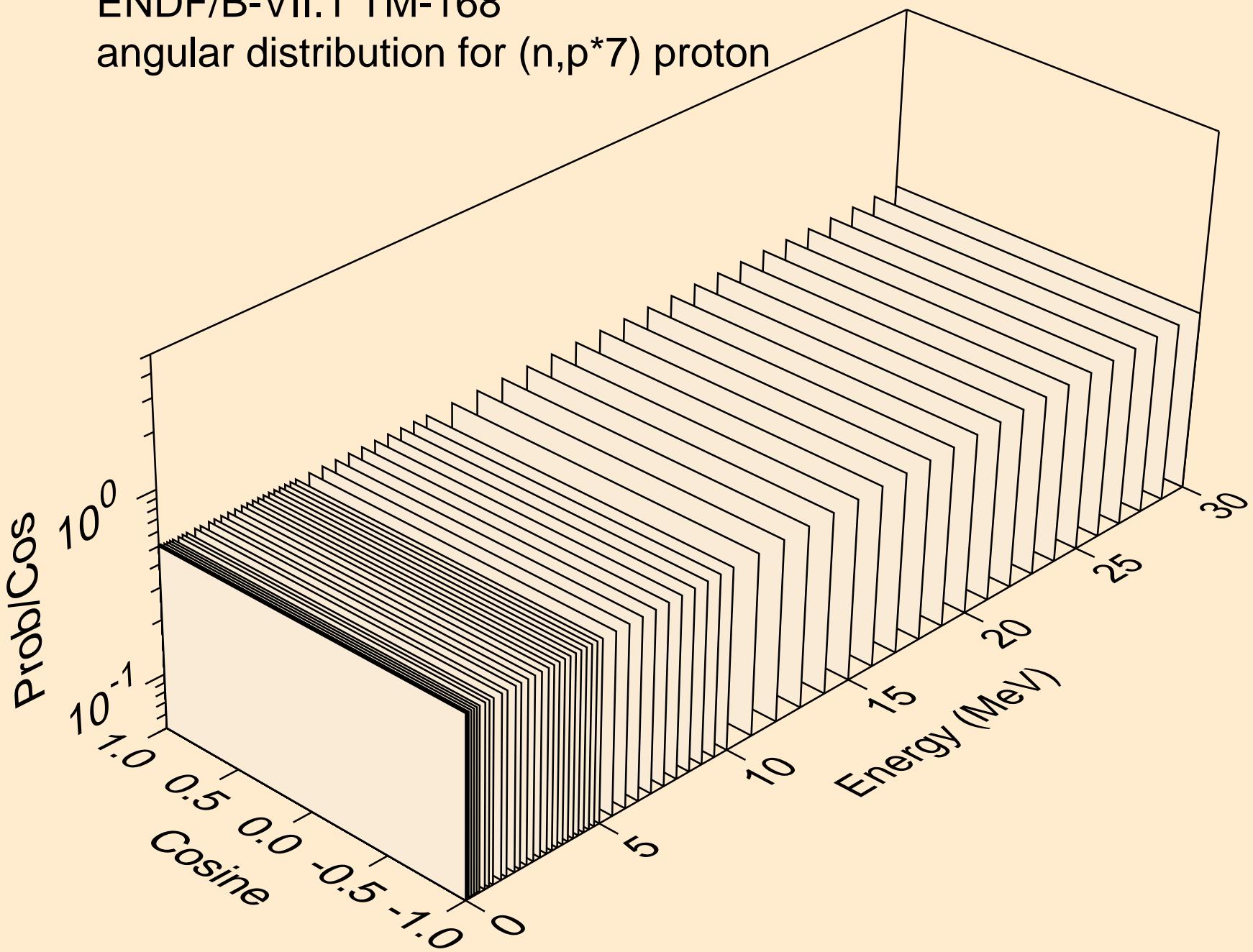
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angular distribution for  $(n,p^*5)$  proton



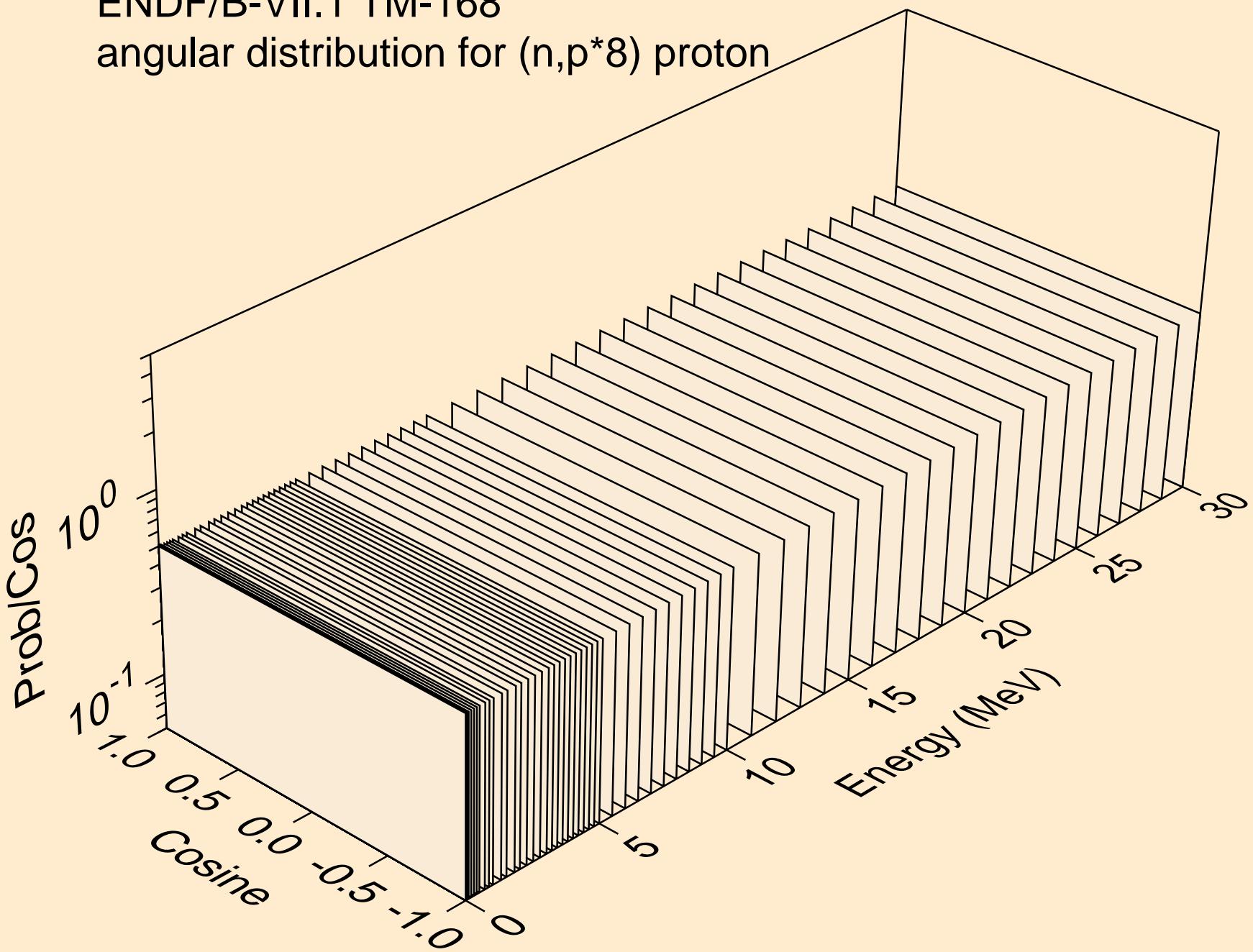
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angular distribution for  $(n,p^*6)$  proton



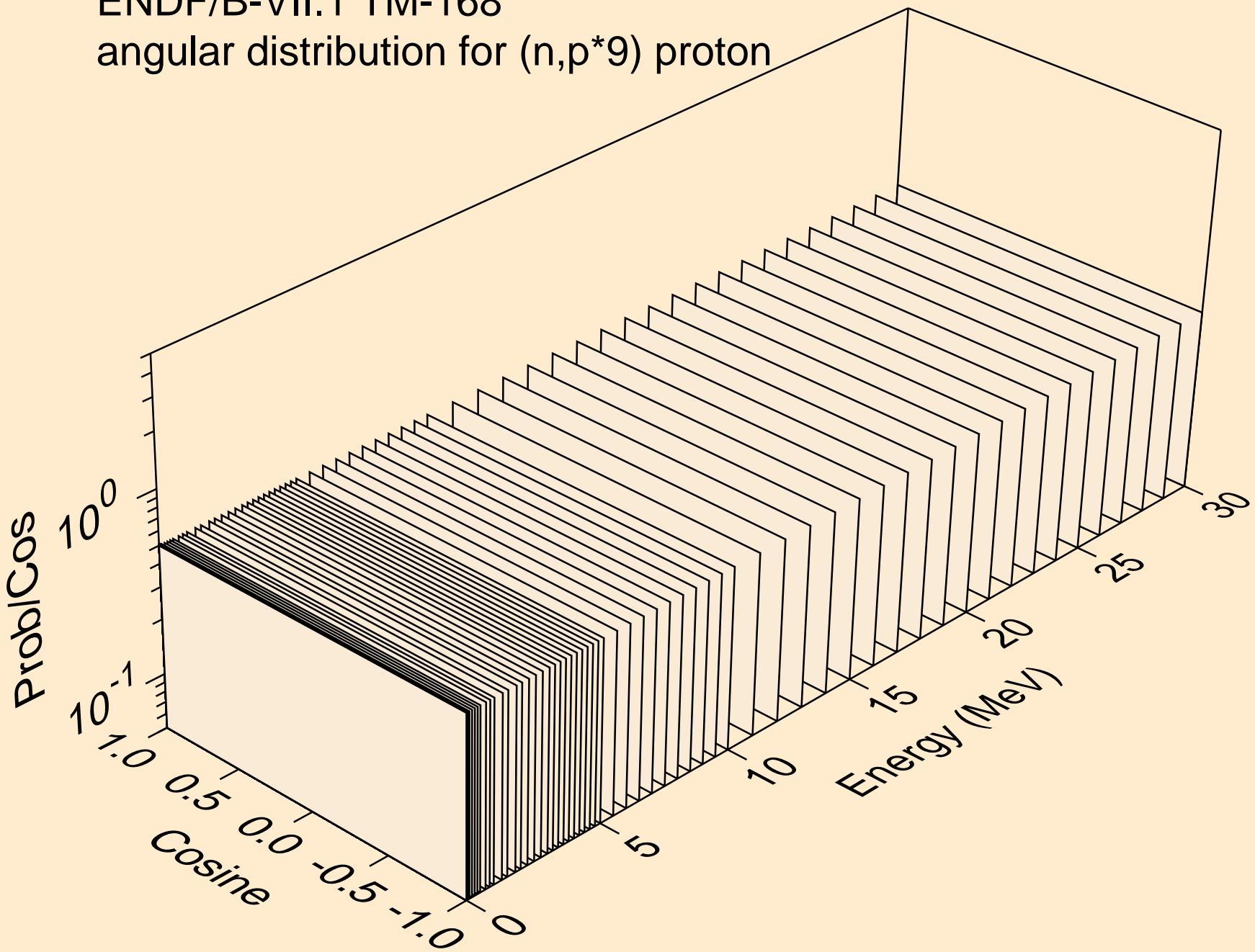
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angular distribution for  $(n,p^*7)$  proton



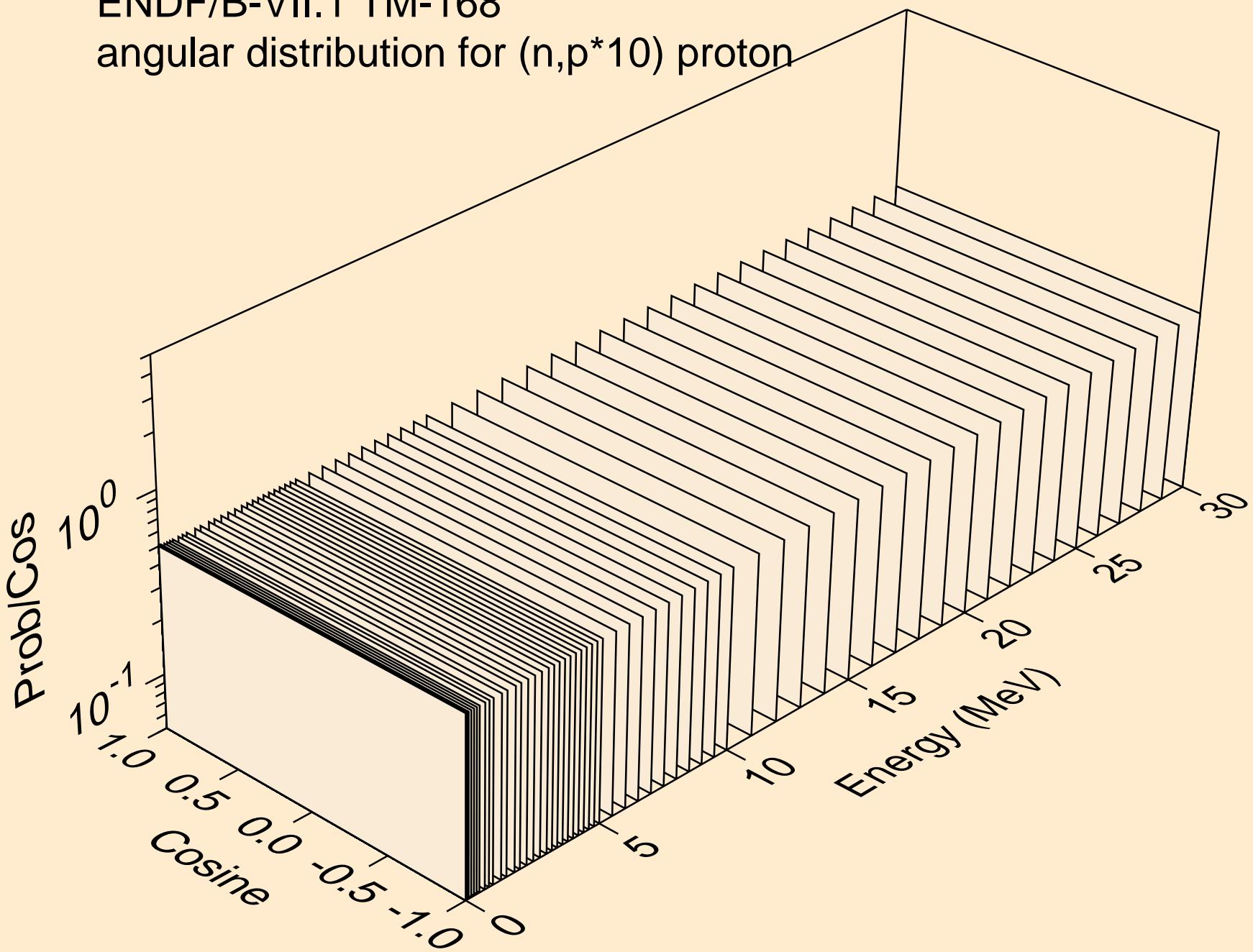
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angular distribution for  $(n,p^*8)$  proton



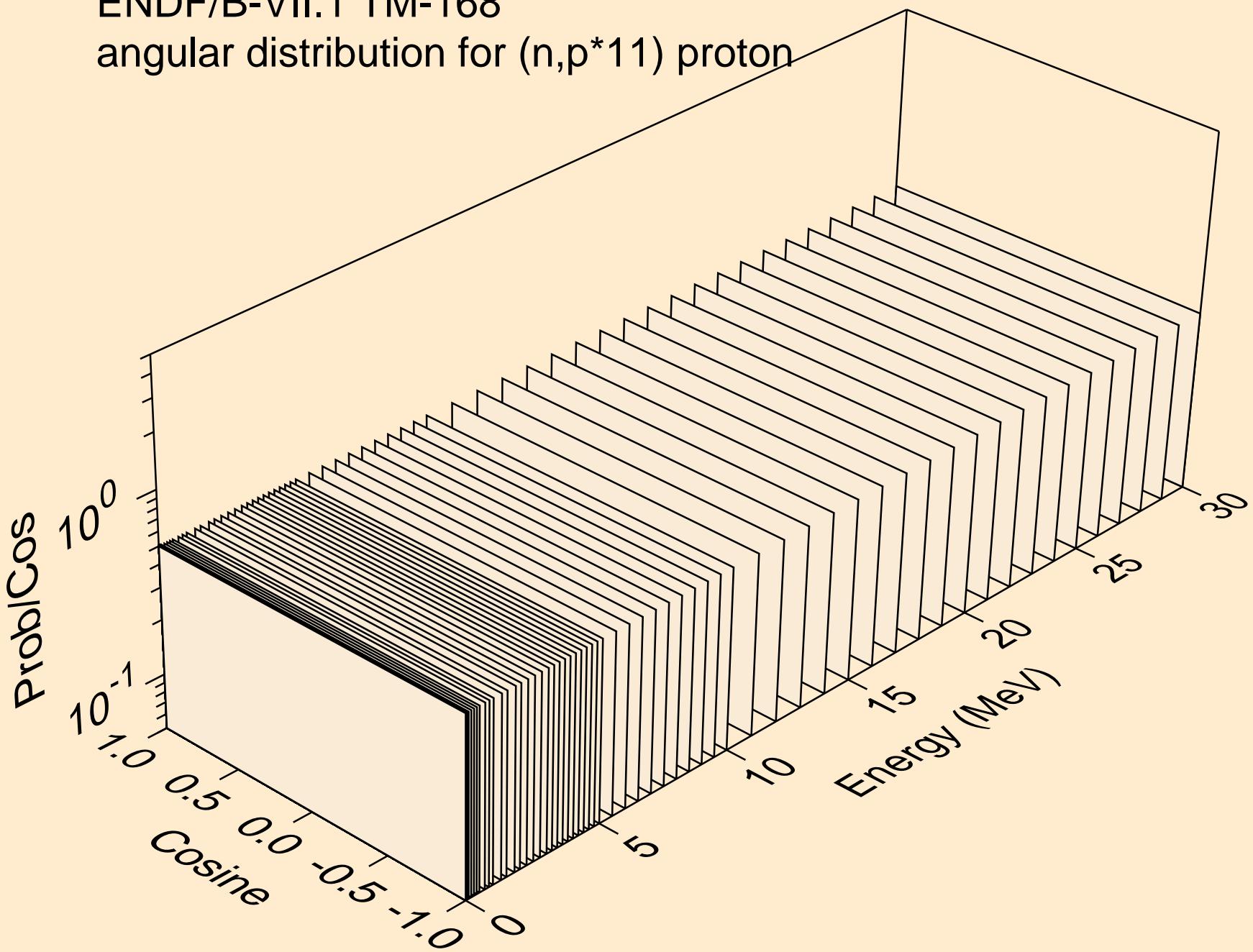
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angular distribution for  $(n,p^*9)$  proton



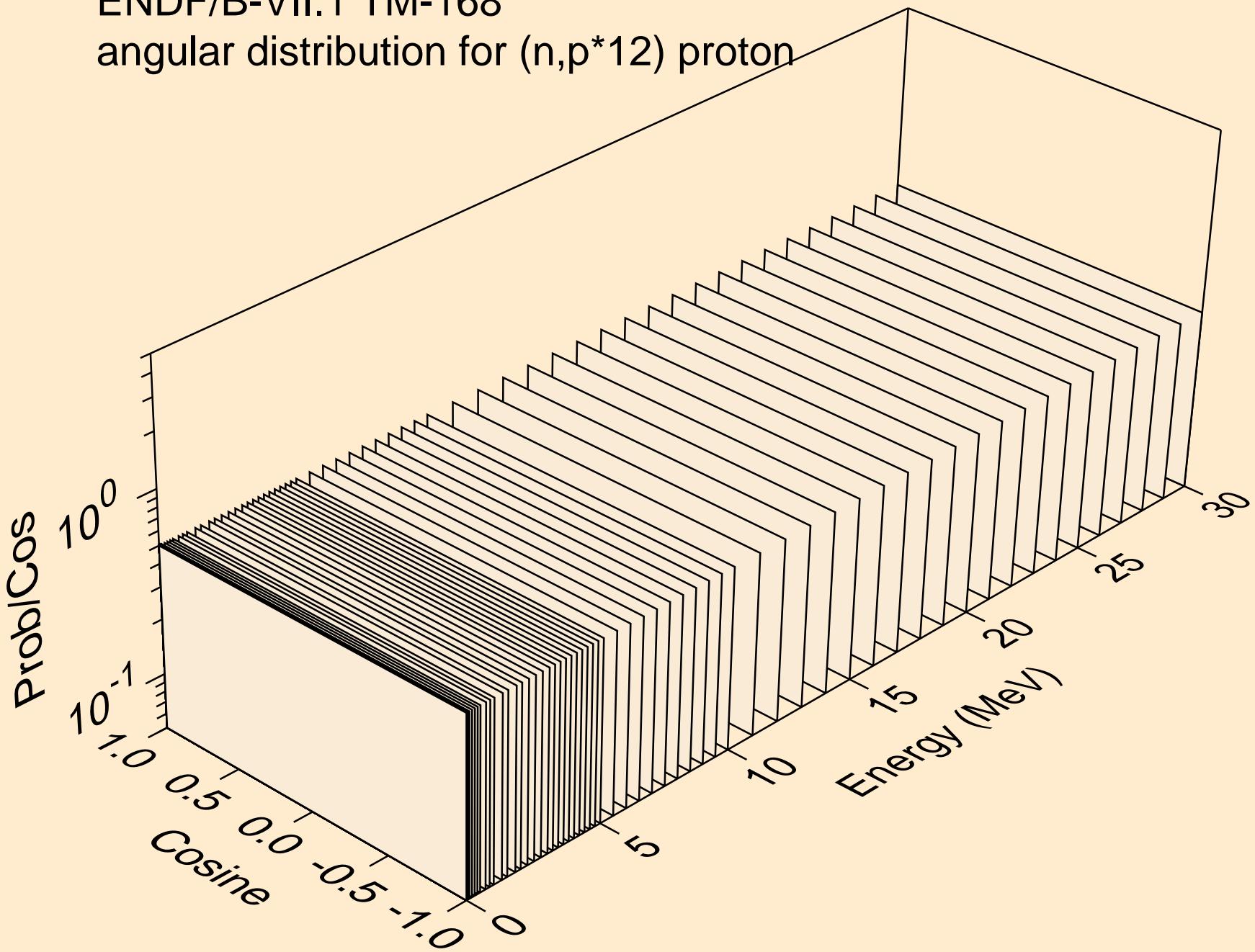
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angular distribution for ( $n,p^*10$ ) proton



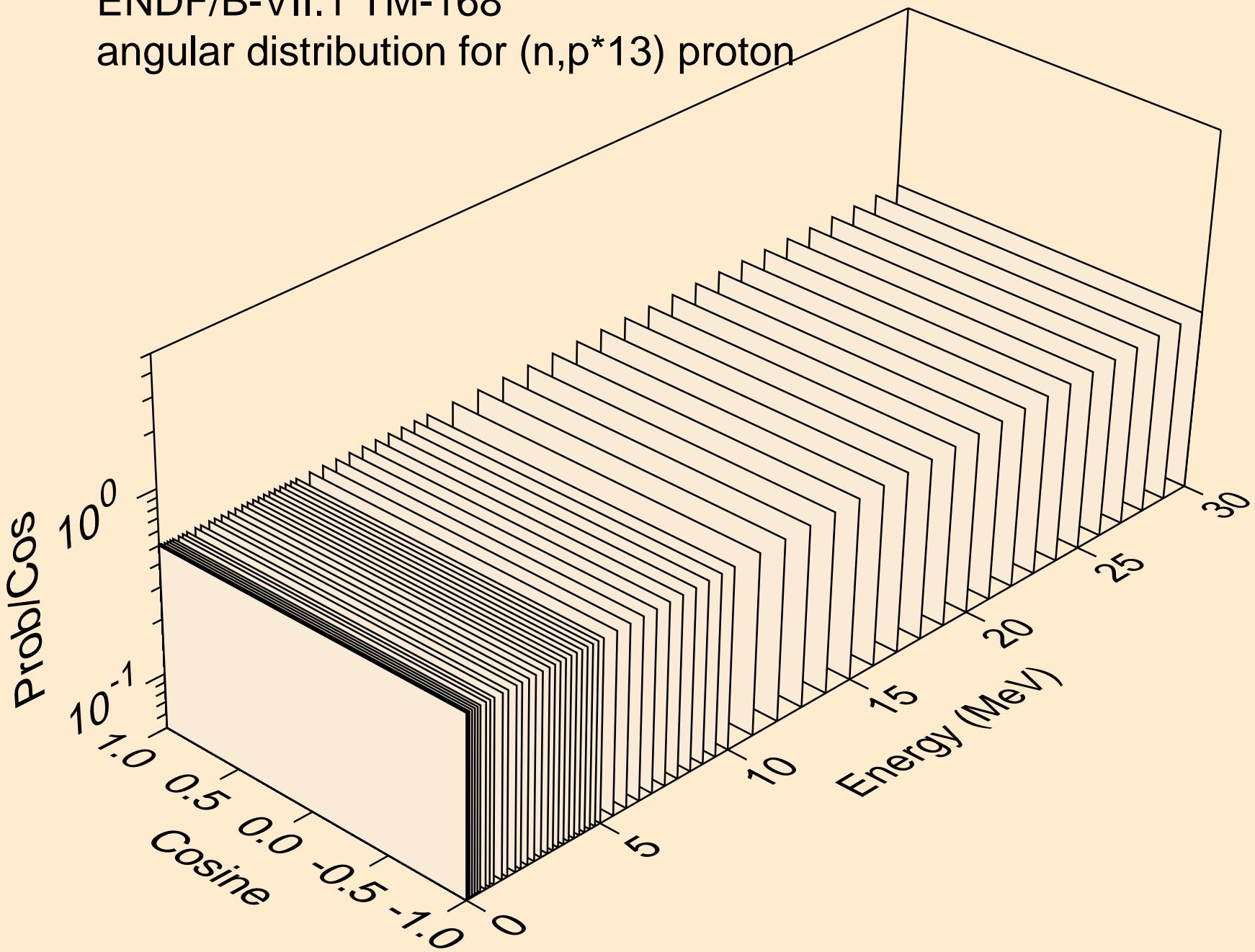
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angular distribution for ( $n,p^*11$ ) proton



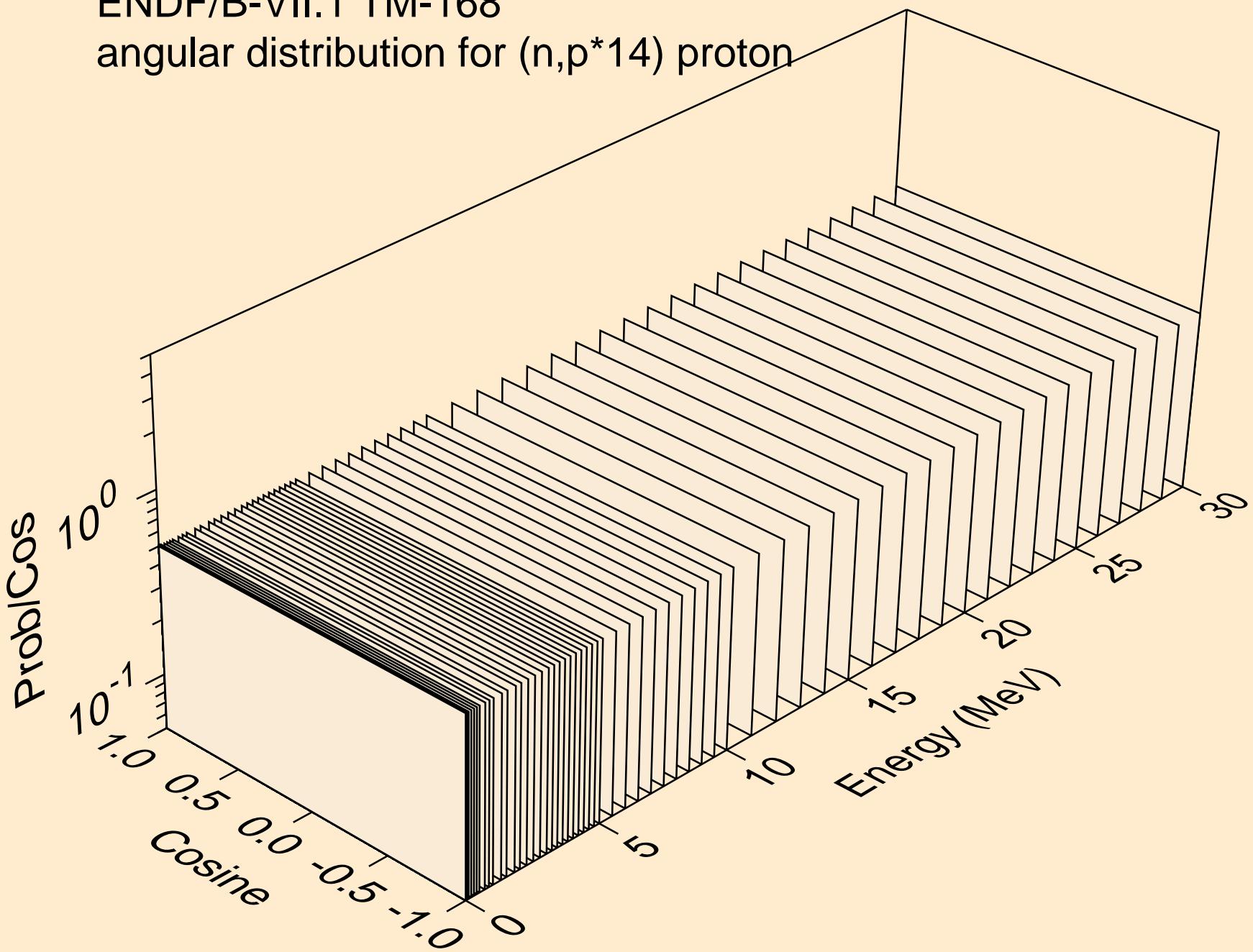
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angular distribution for ( $n,p^*12$ ) proton



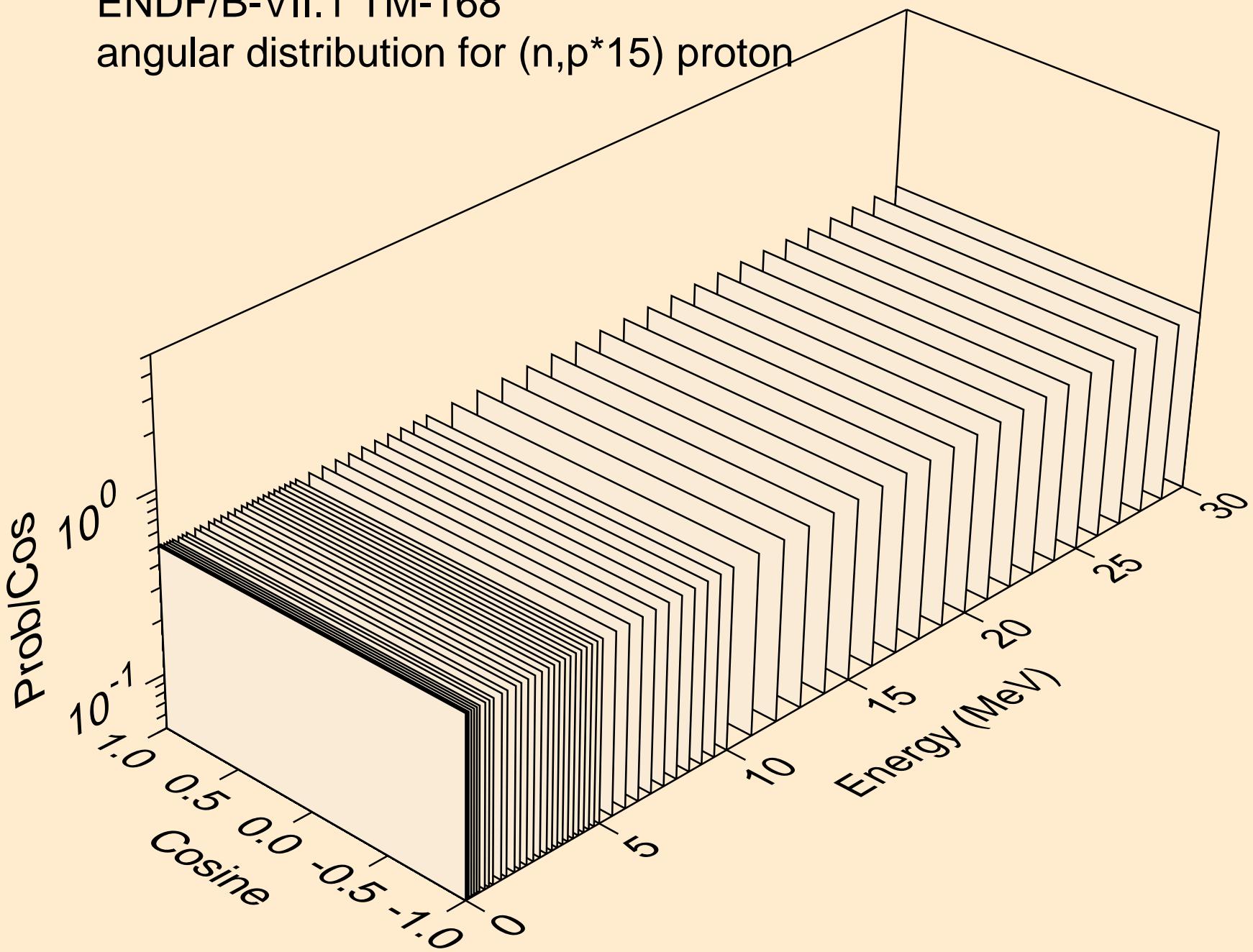
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angular distribution for ( $n,p^*13$ ) proton



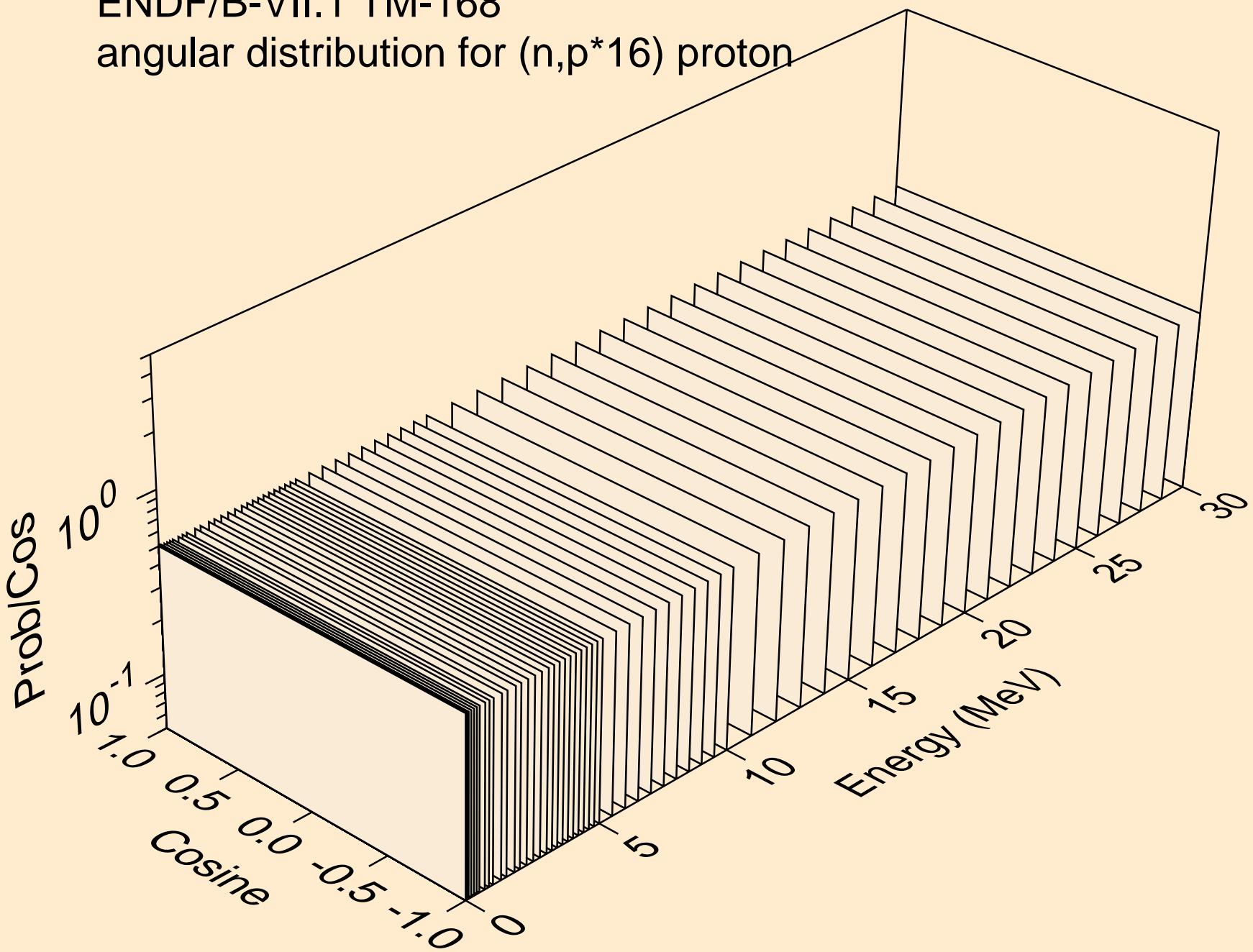
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angular distribution for ( $n,p^*14$ ) proton



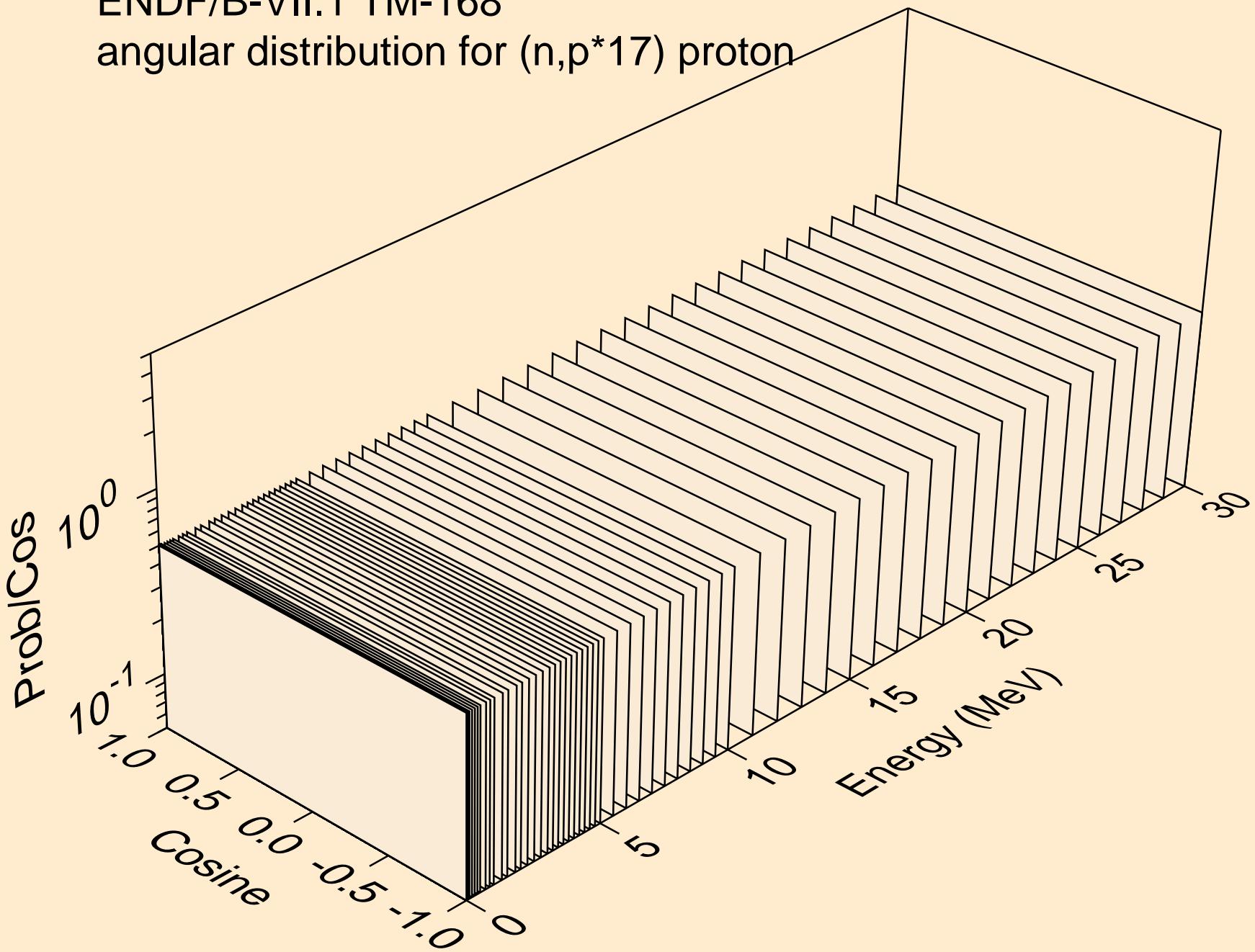
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angular distribution for ( $n,p^*15$ ) proton



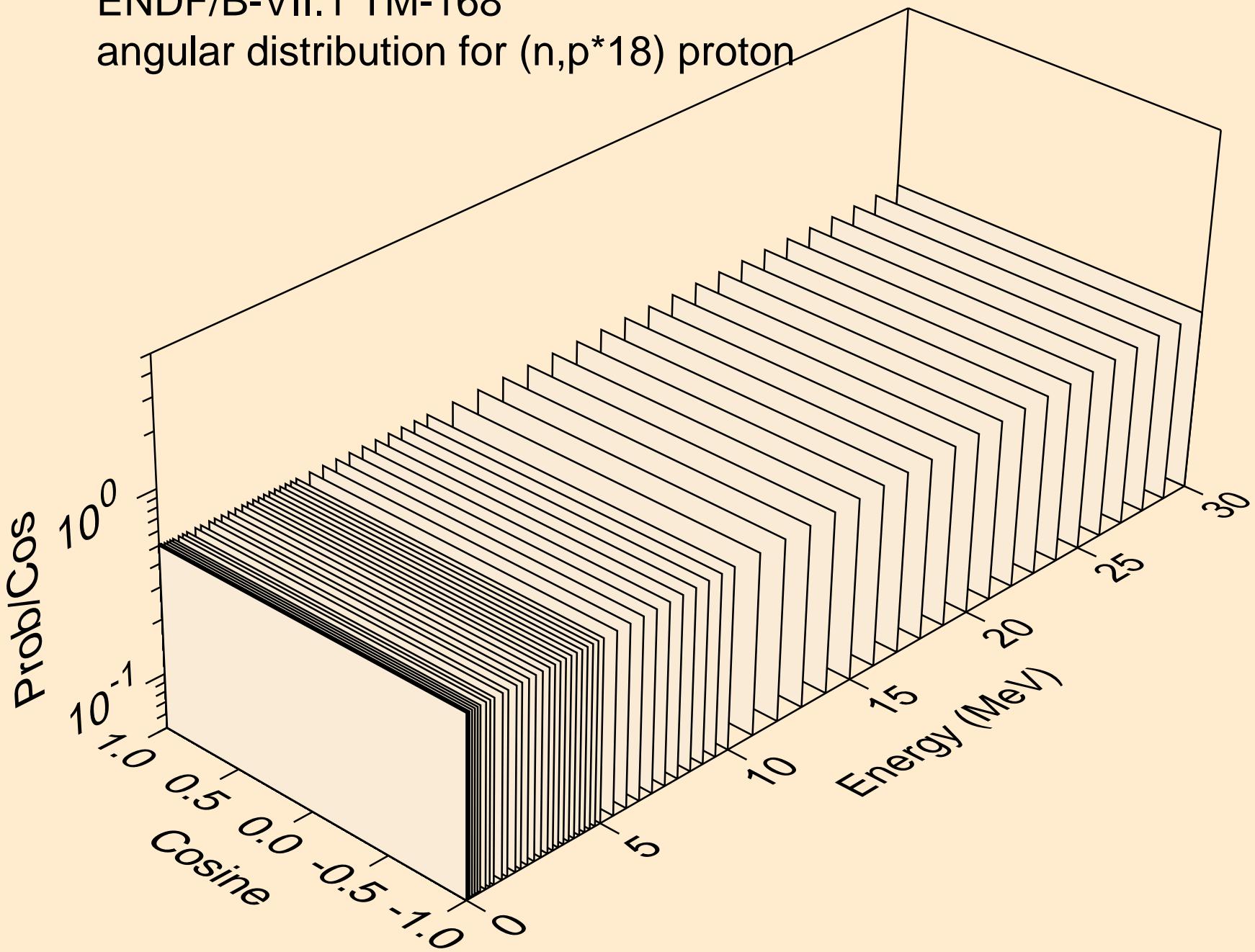
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angular distribution for ( $n,p^*16$ ) proton



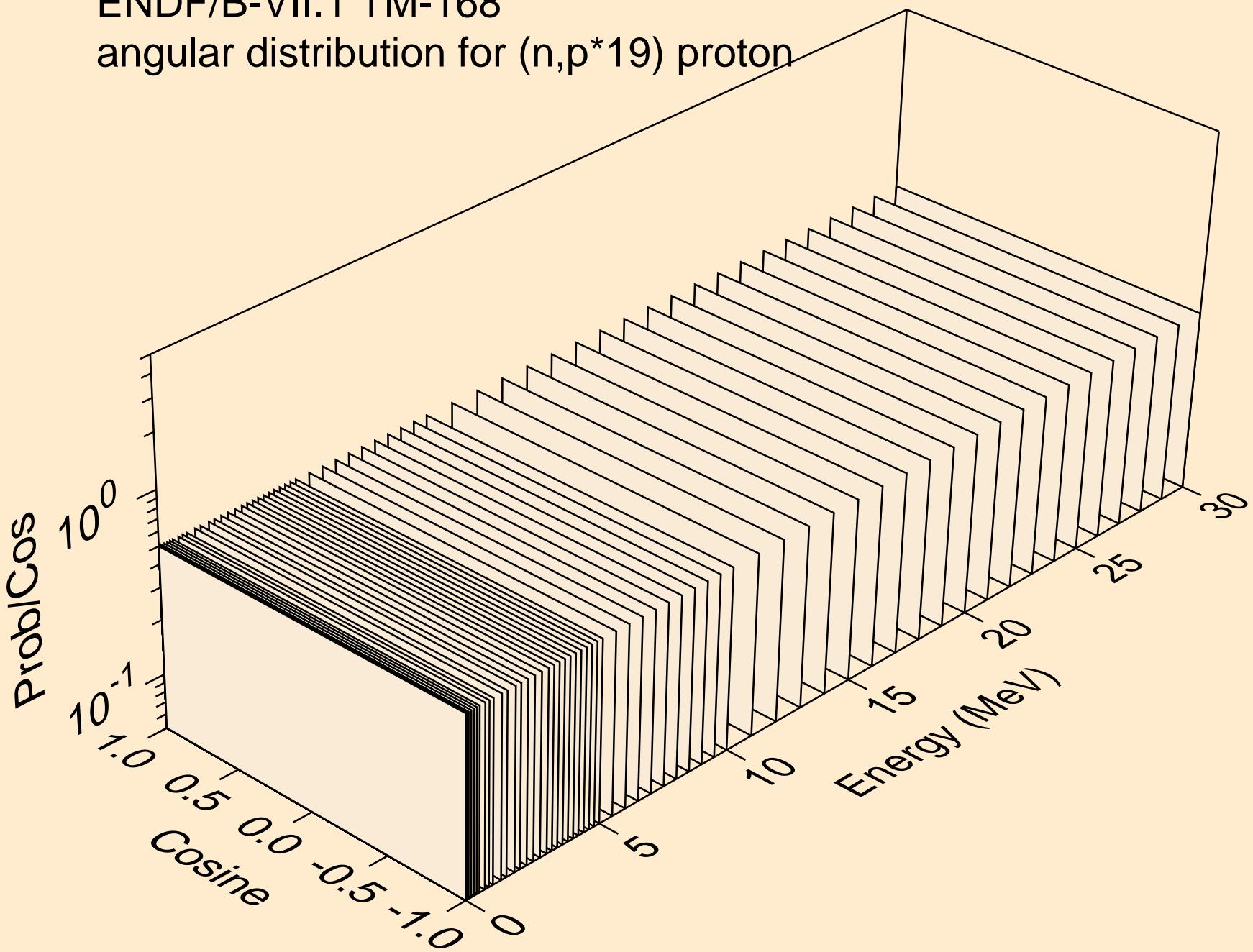
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angular distribution for ( $n,p^*17$ ) proton



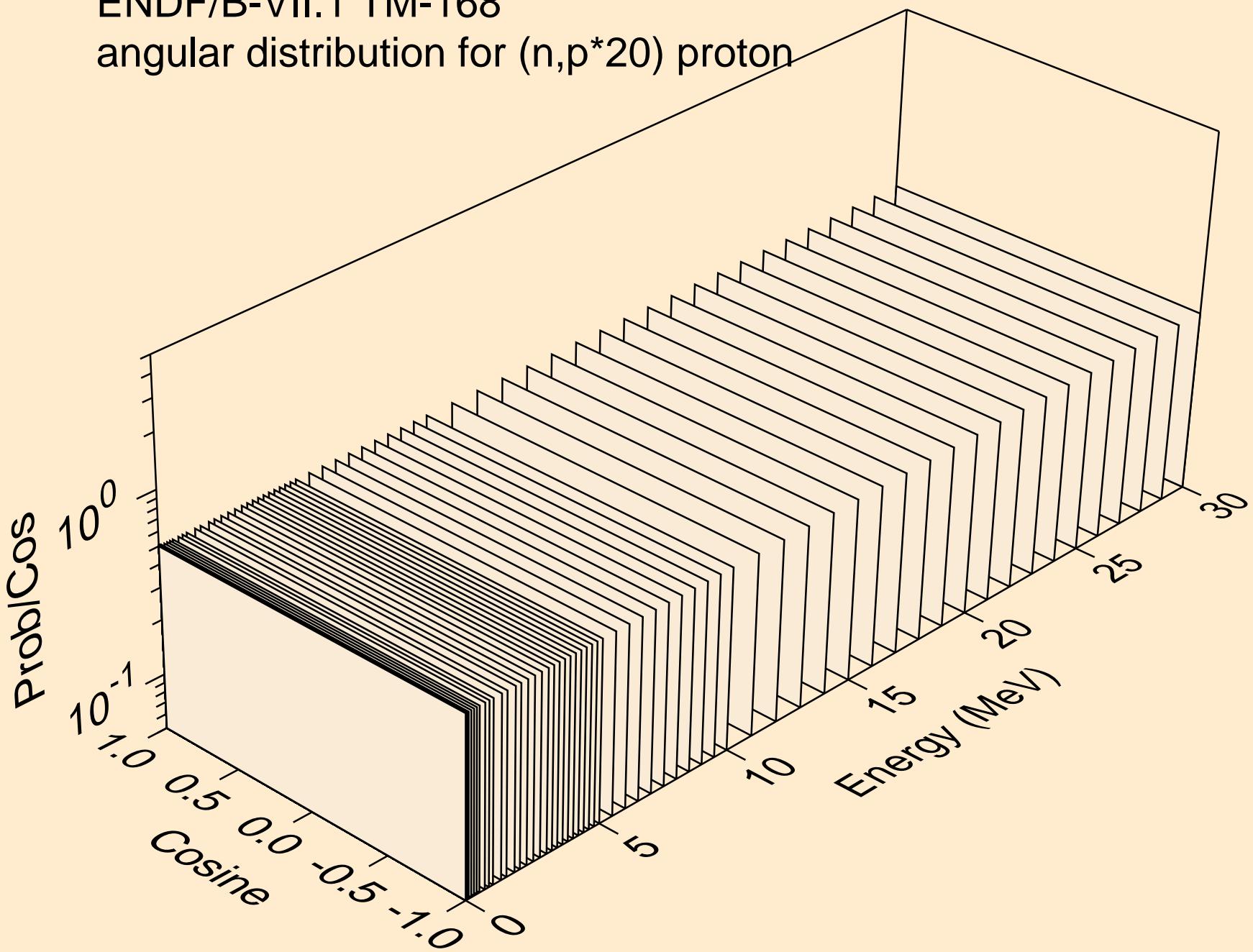
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angular distribution for ( $n,p^*18$ ) proton



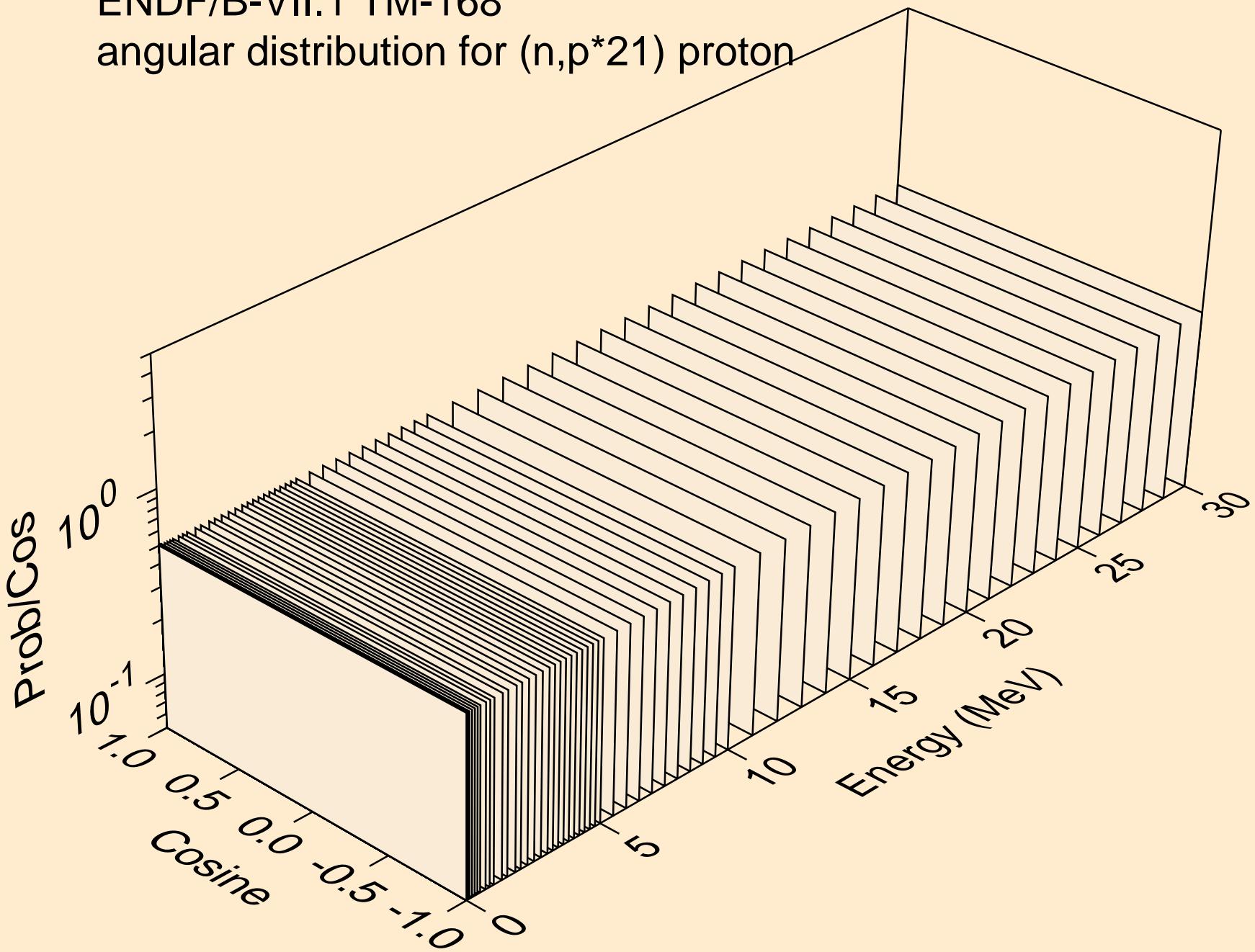
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angular distribution for ( $n,p^*19$ ) proton



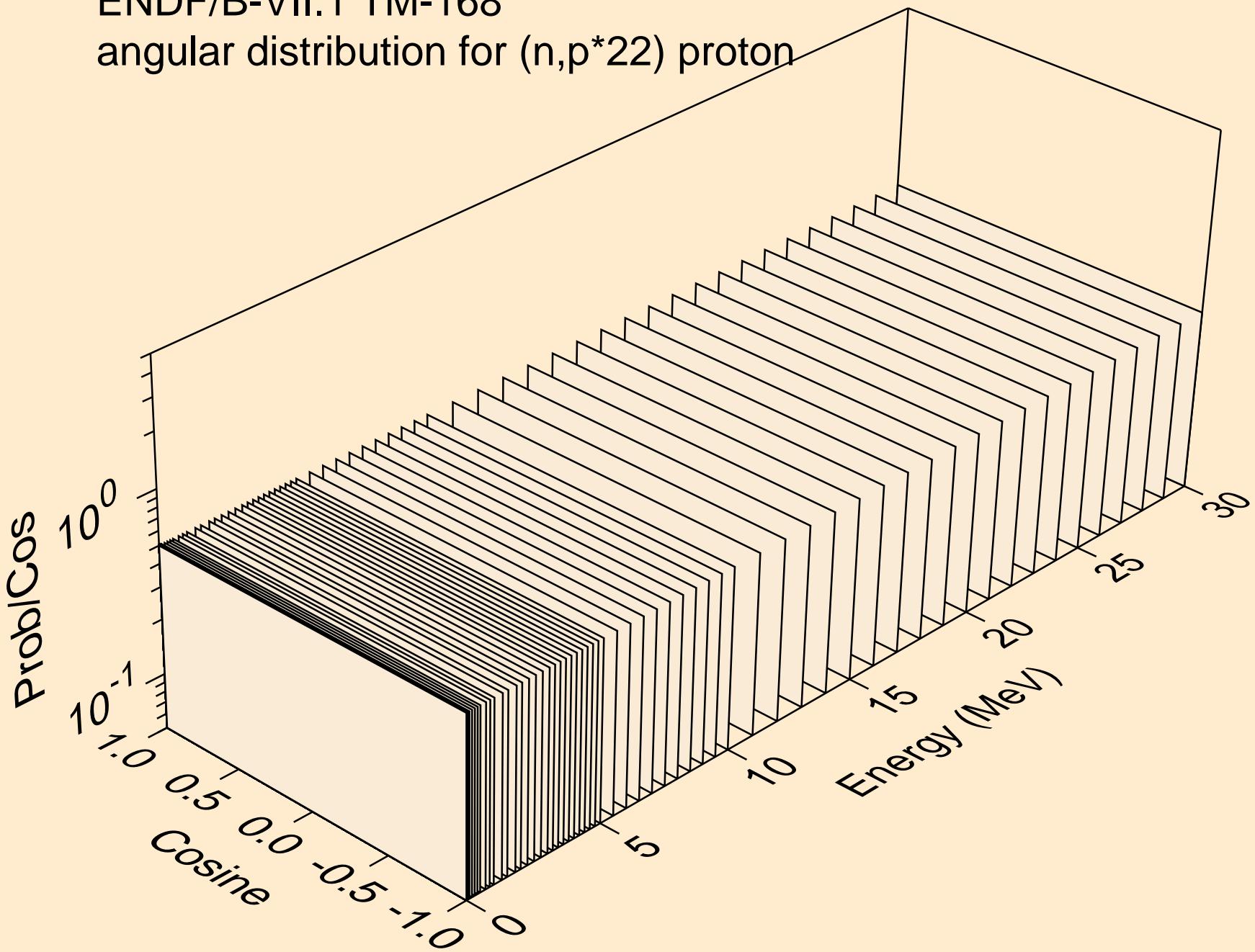
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angular distribution for ( $n,p^*20$ ) proton



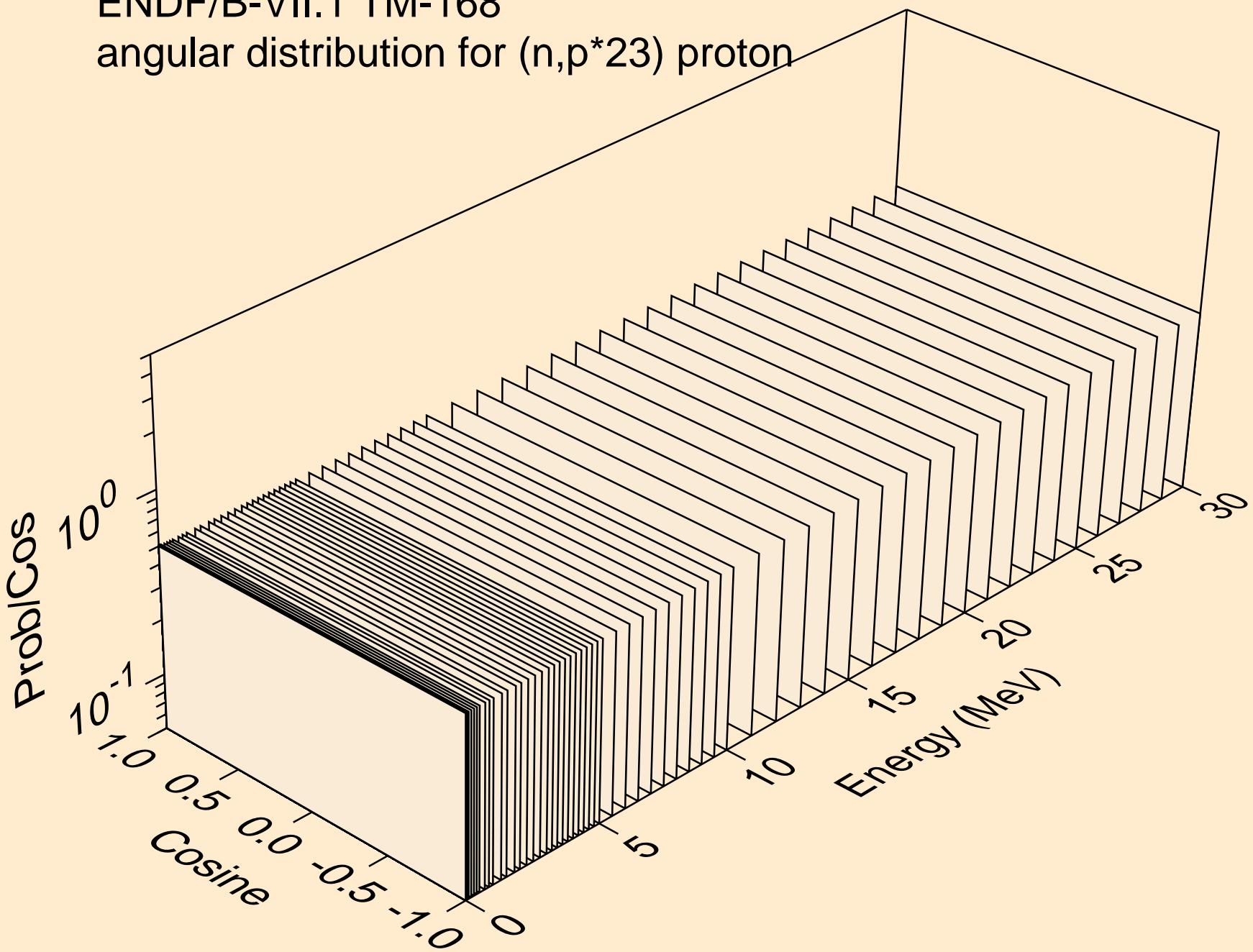
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angular distribution for ( $n,p^*21$ ) proton



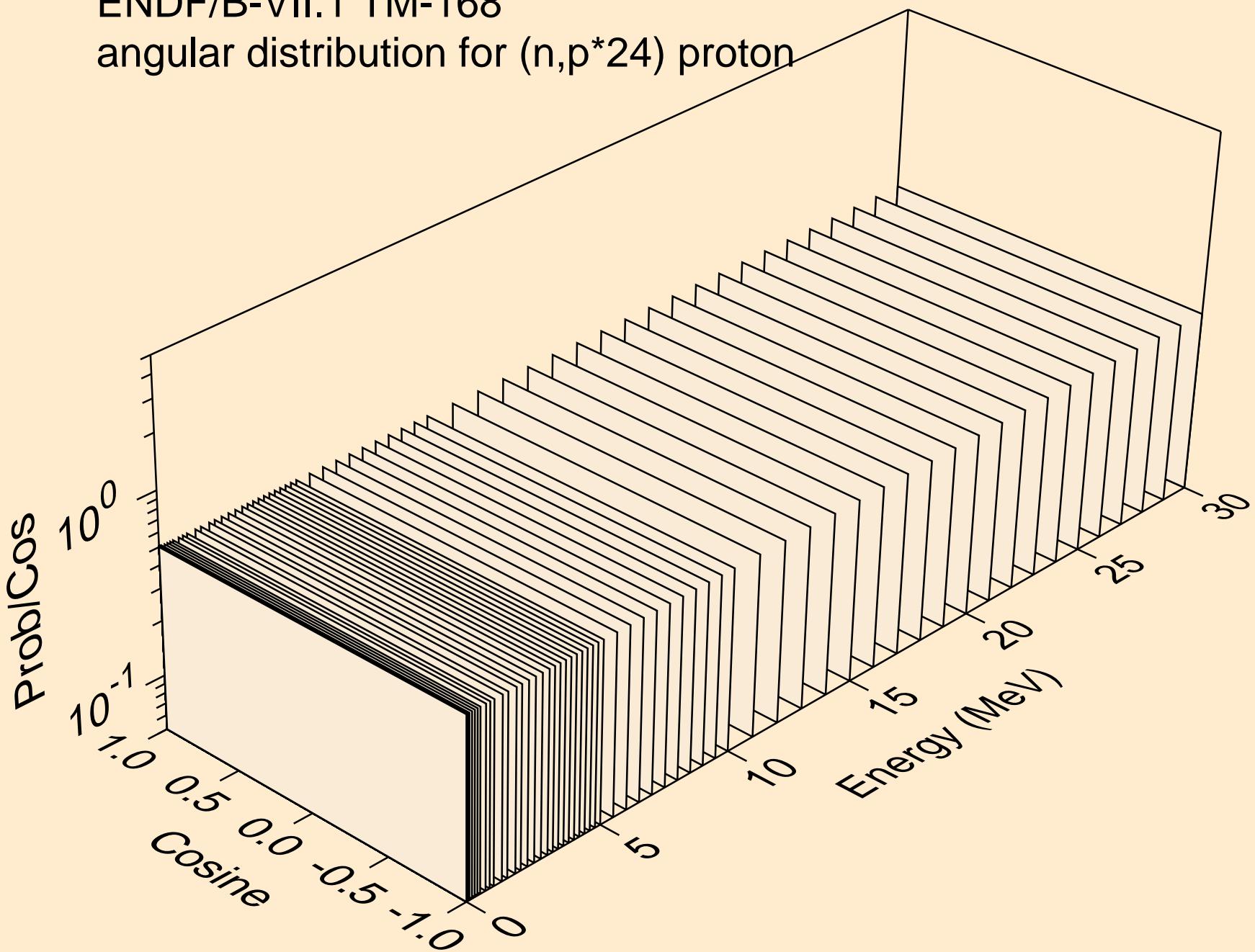
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angular distribution for ( $n,p^*22$ ) proton



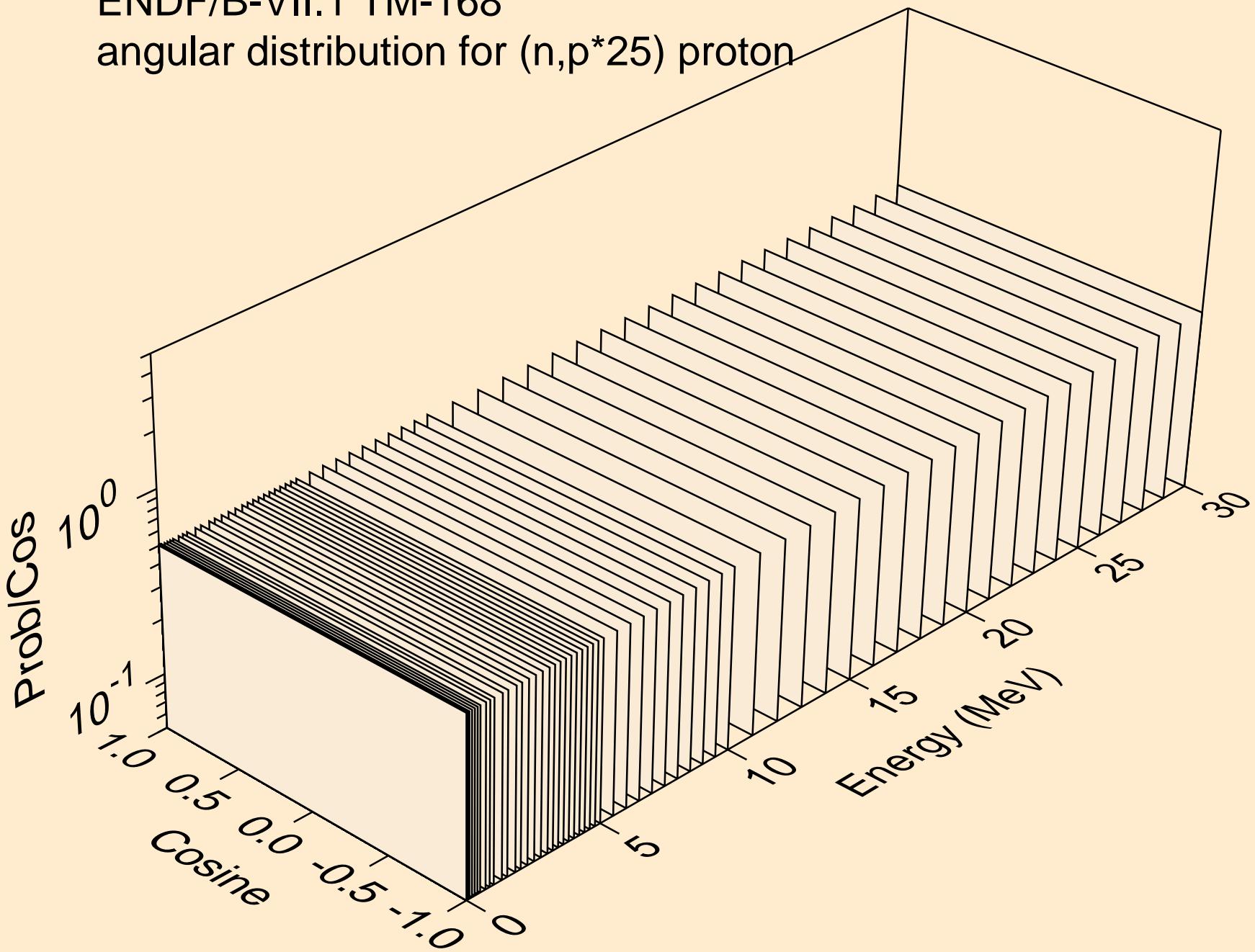
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angular distribution for ( $n,p^*23$ ) proton



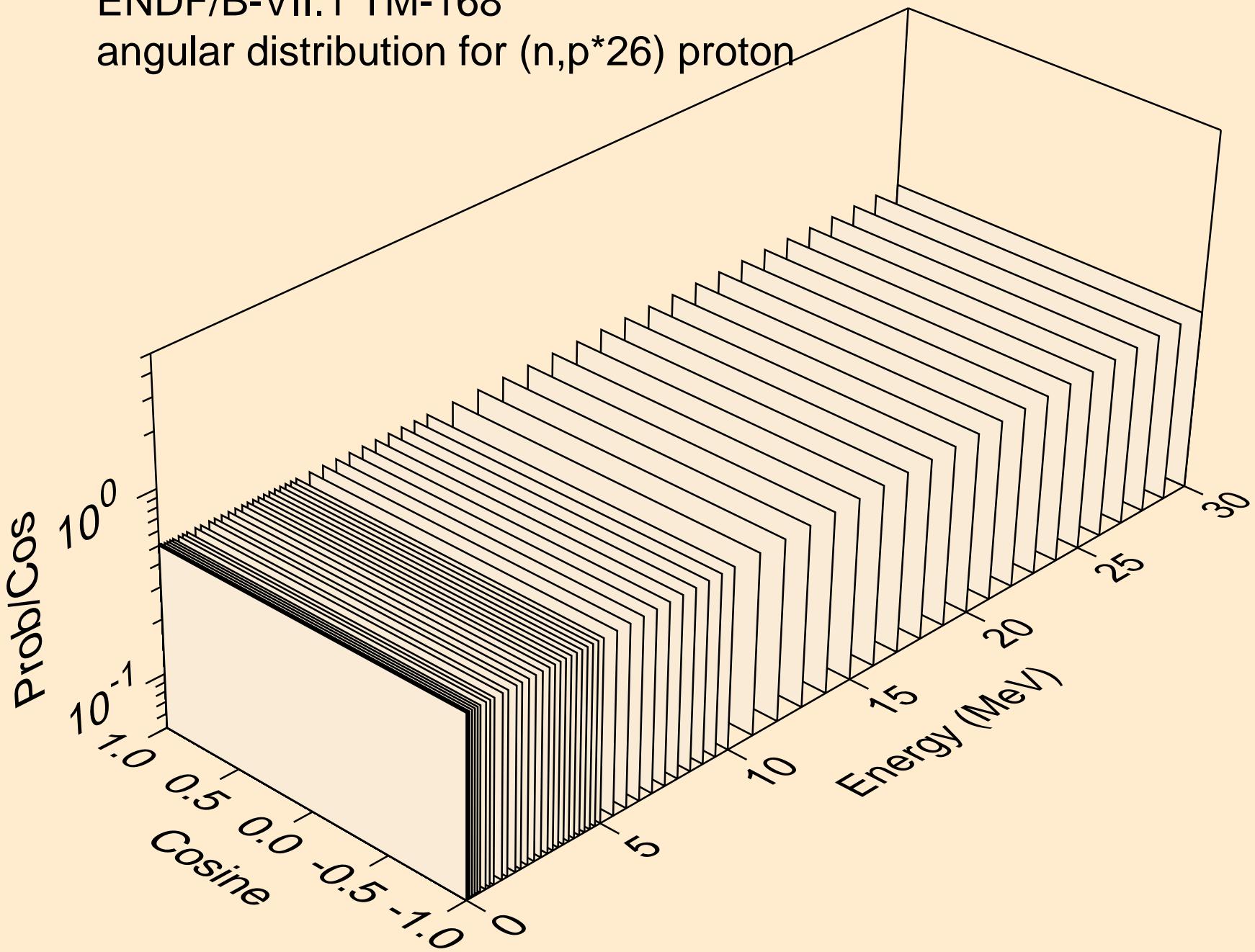
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angular distribution for ( $n,p^*24$ ) proton



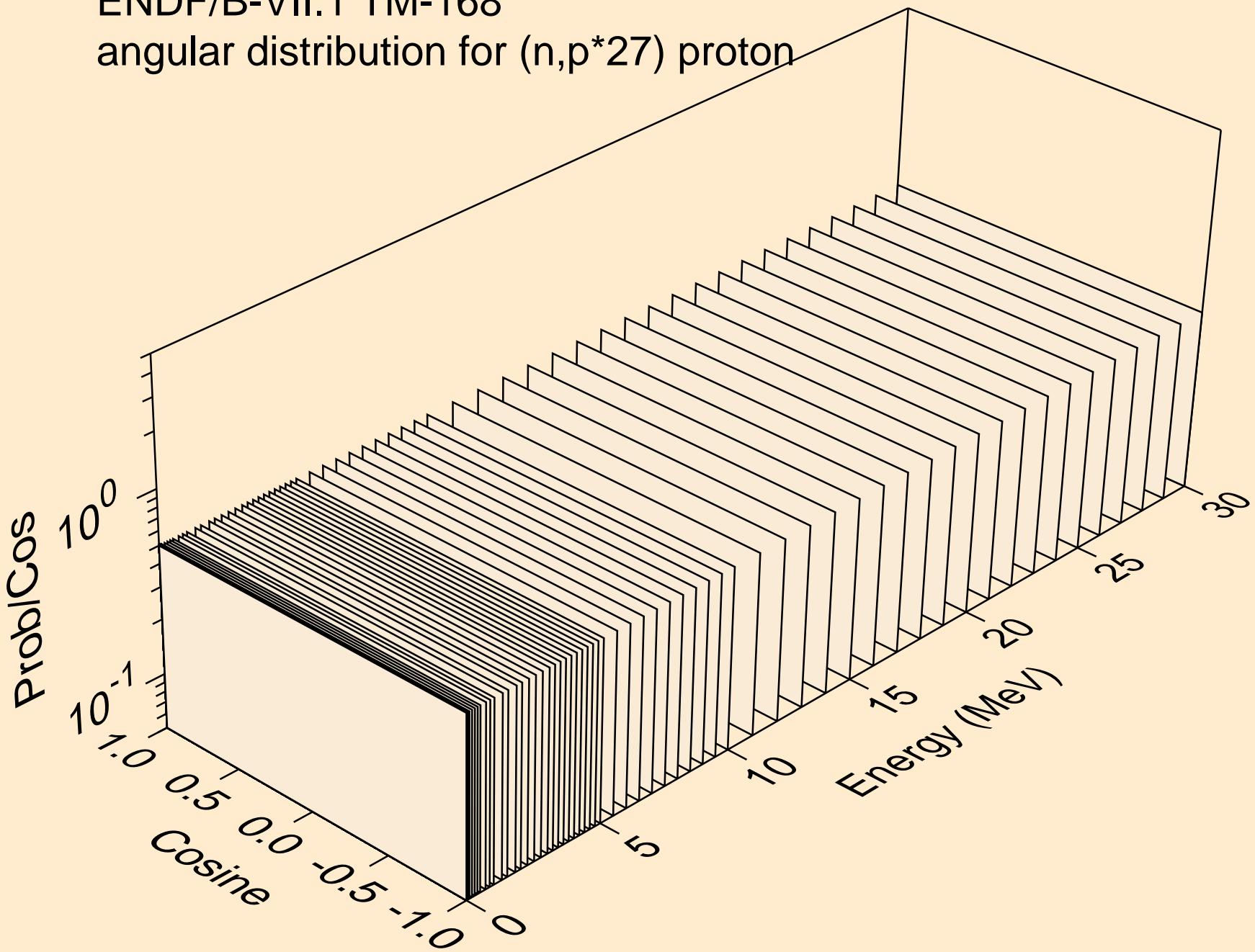
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angular distribution for ( $n,p^*25$ ) proton



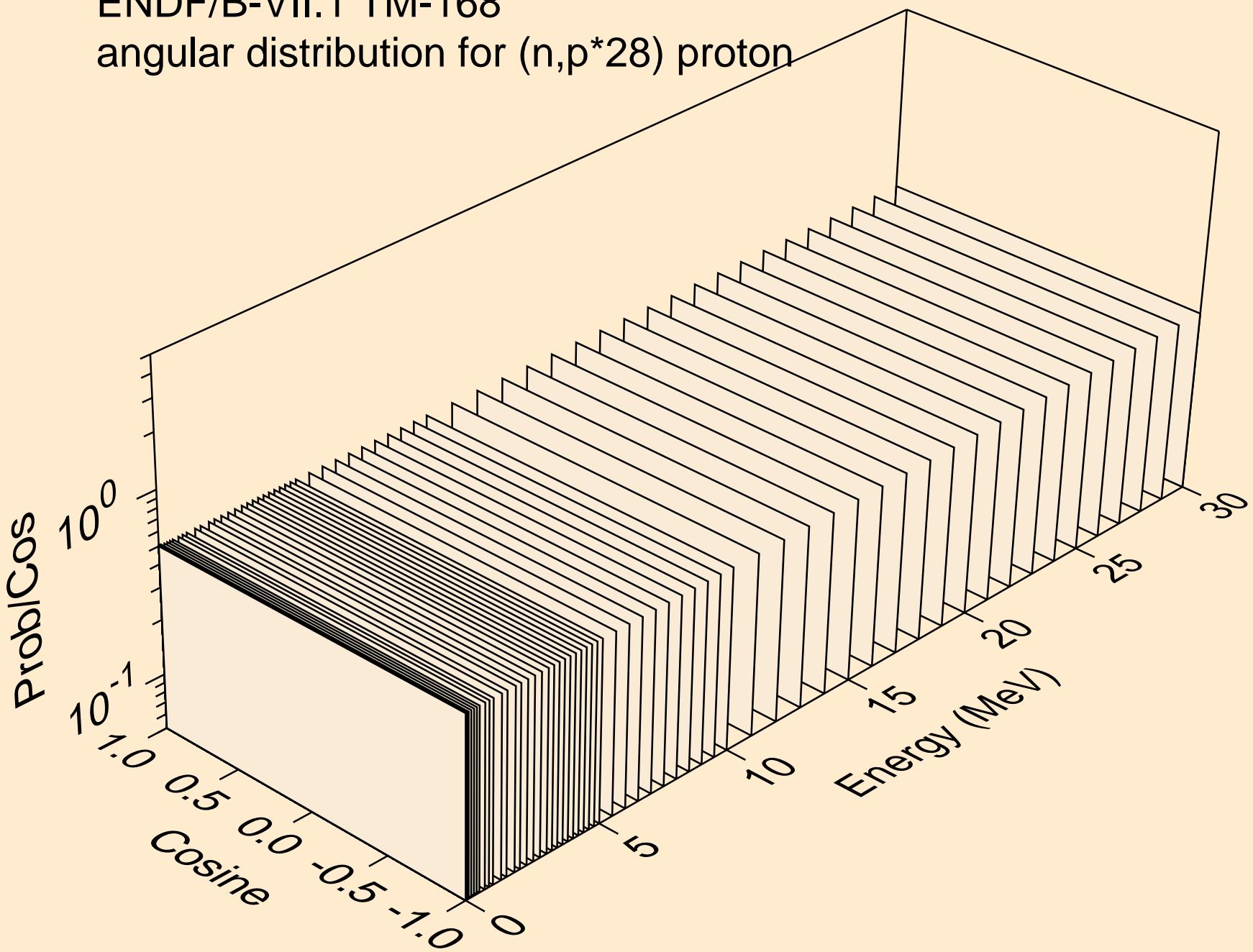
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angular distribution for ( $n,p^*26$ ) proton



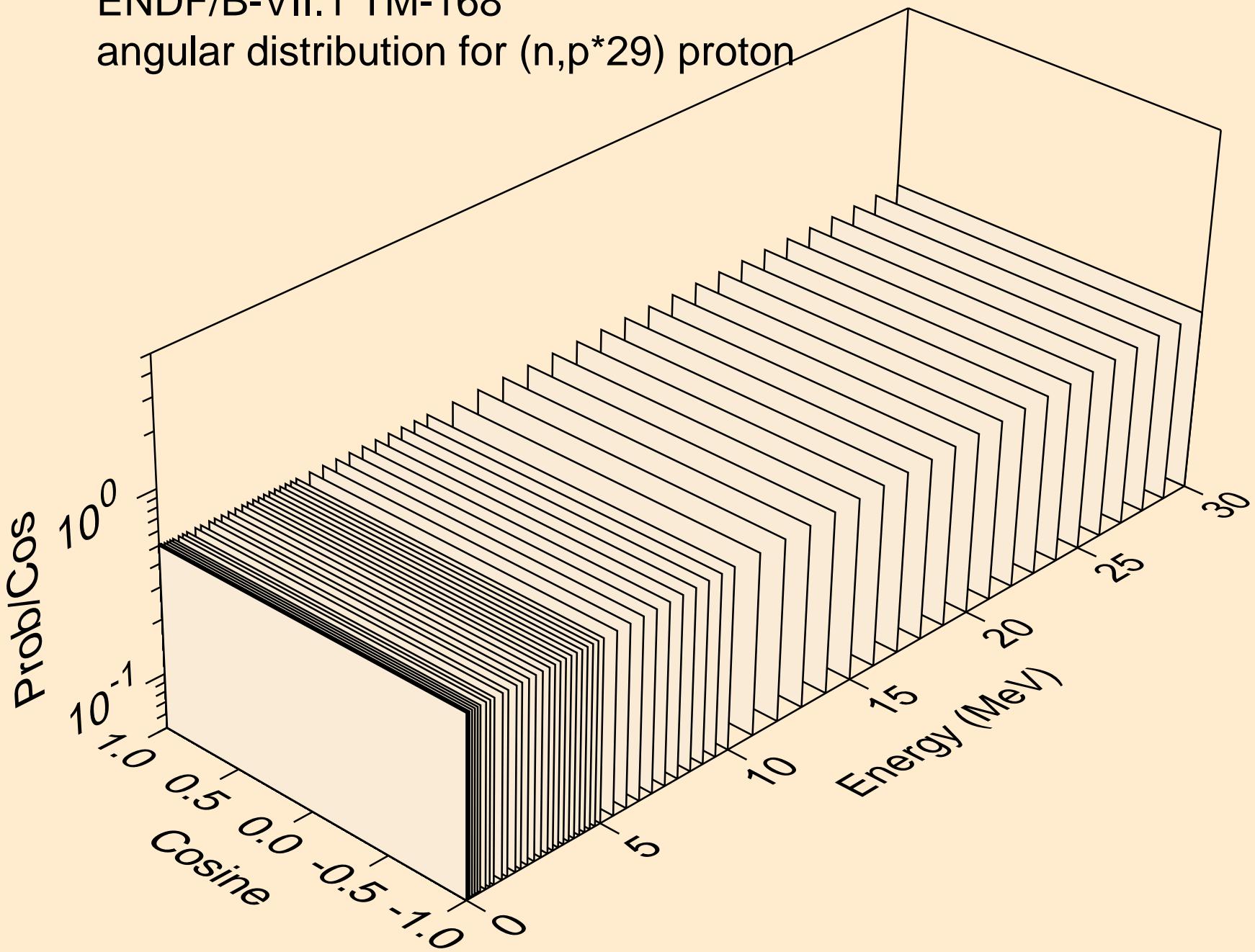
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angular distribution for ( $n,p^*27$ ) proton



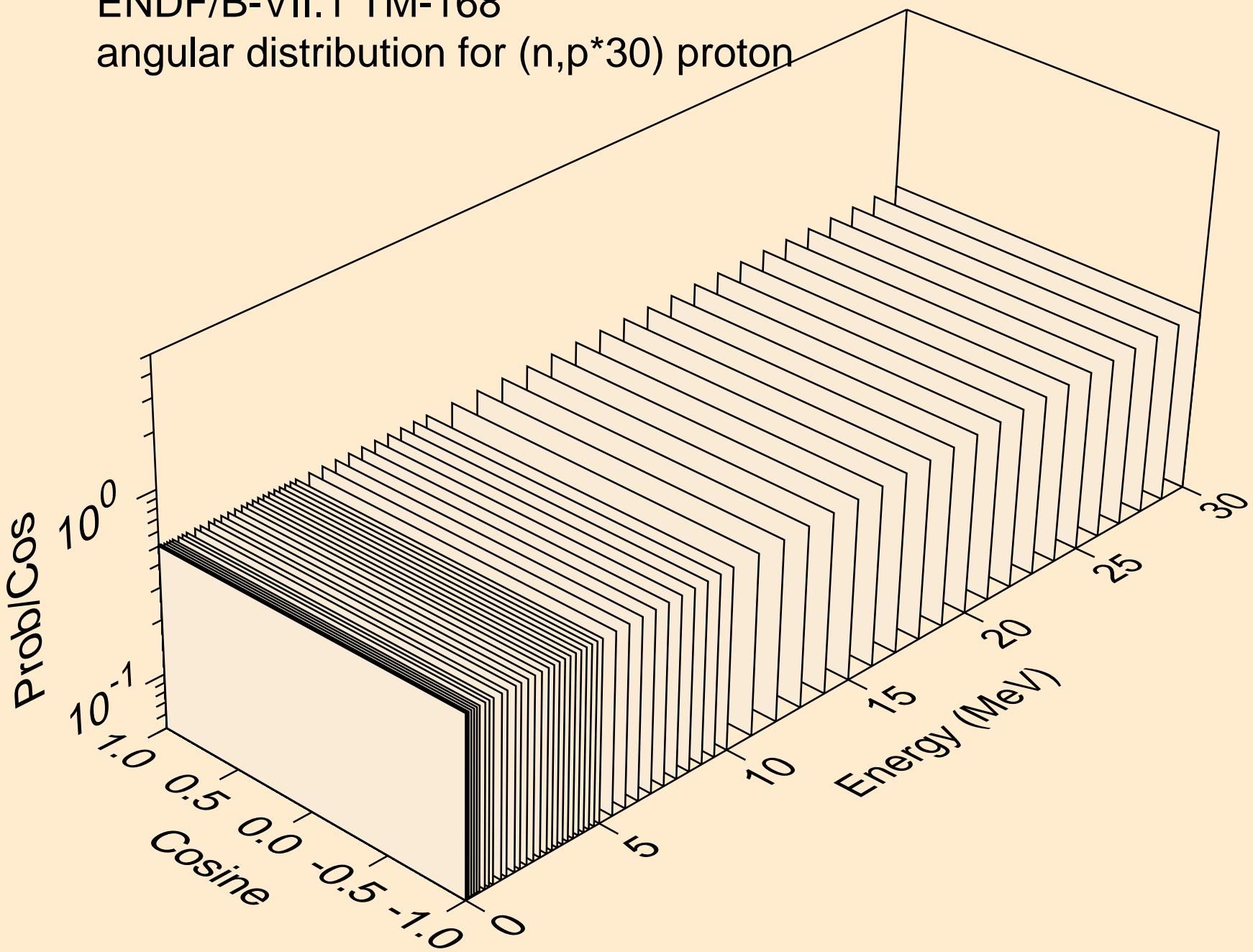
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angular distribution for ( $n,p^*$ ) proton



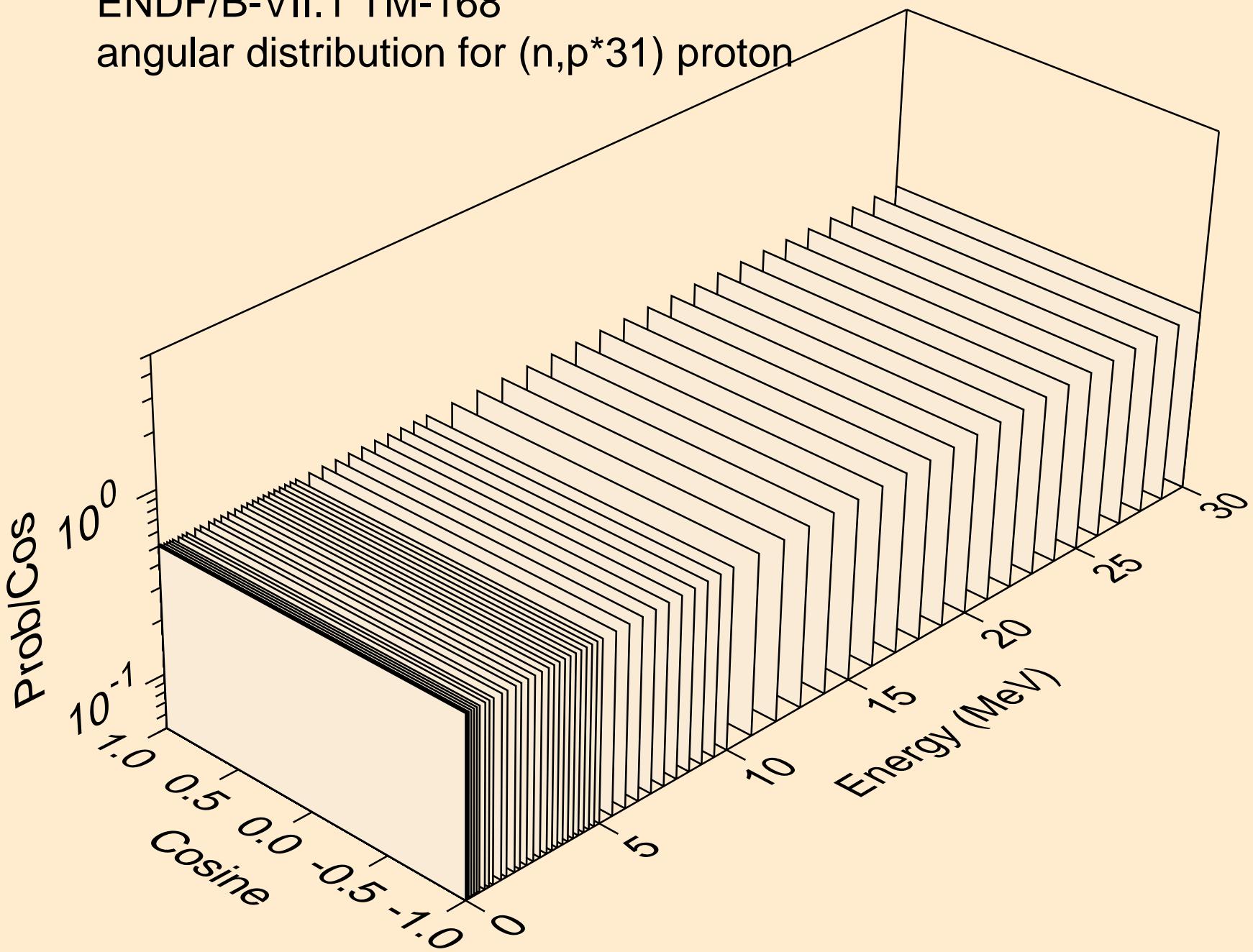
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angular distribution for ( $n,p^*29$ ) proton



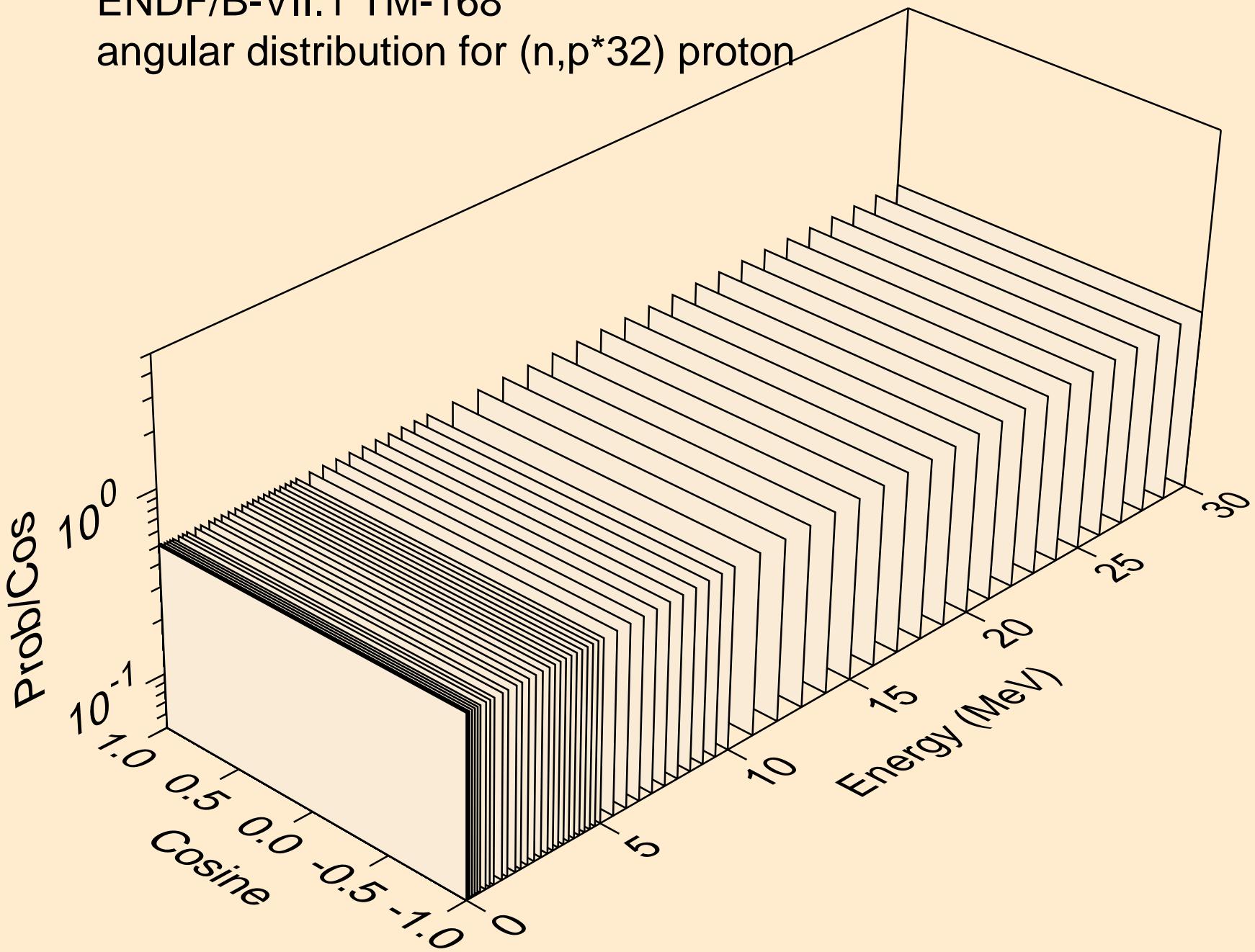
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angular distribution for ( $n,p^*30$ ) proton



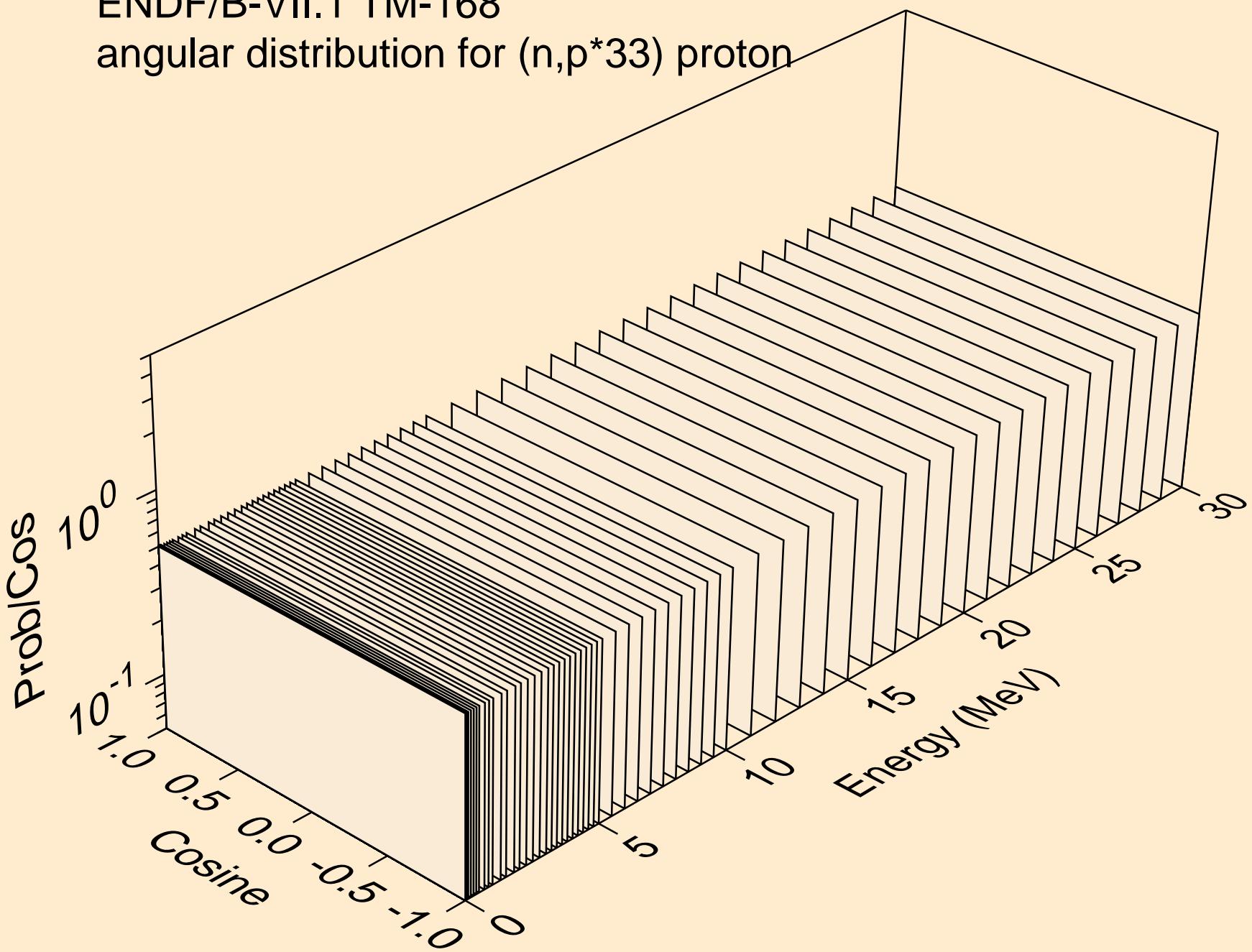
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angular distribution for ( $n,p^*31$ ) proton



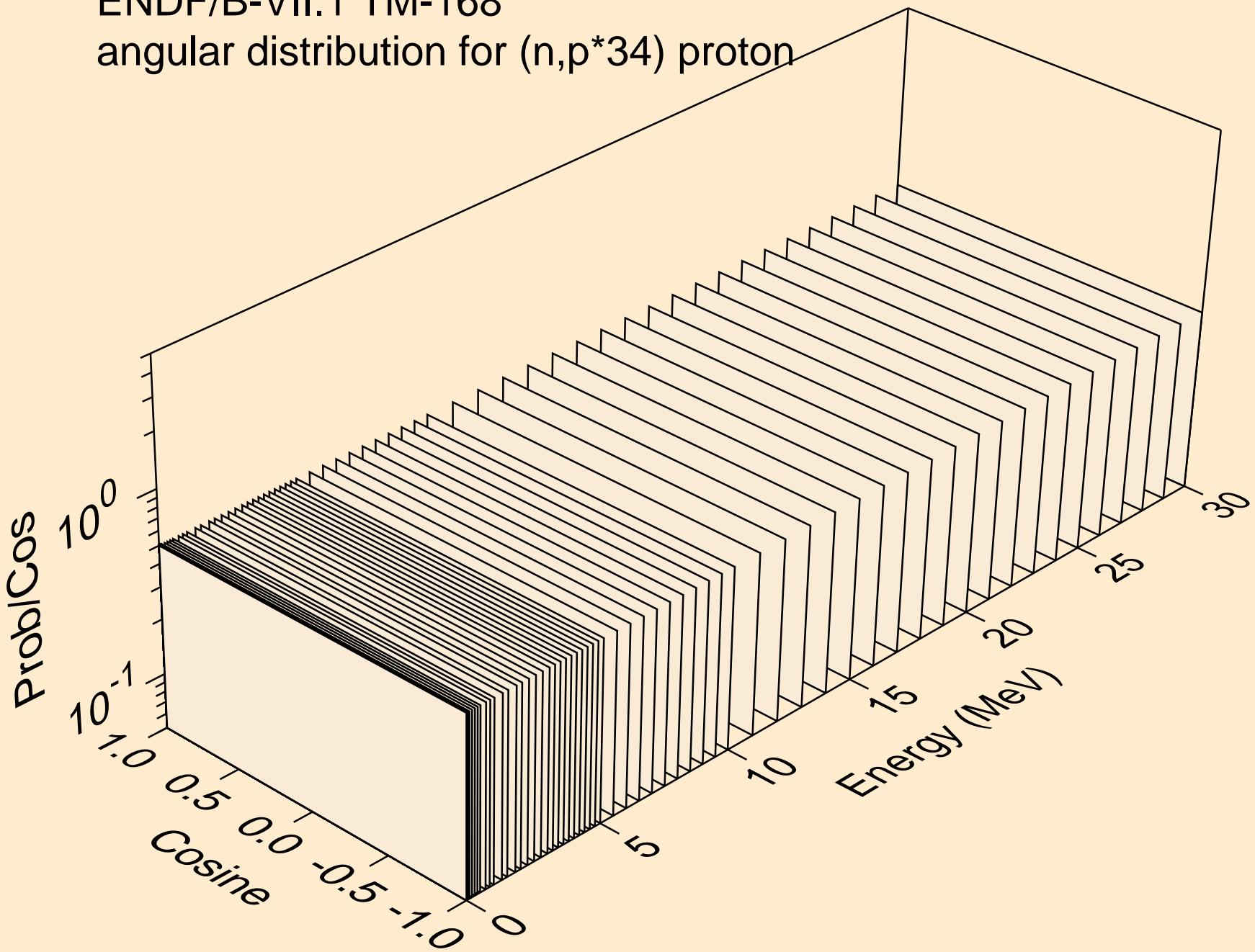
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angular distribution for ( $n,p^*32$ ) proton



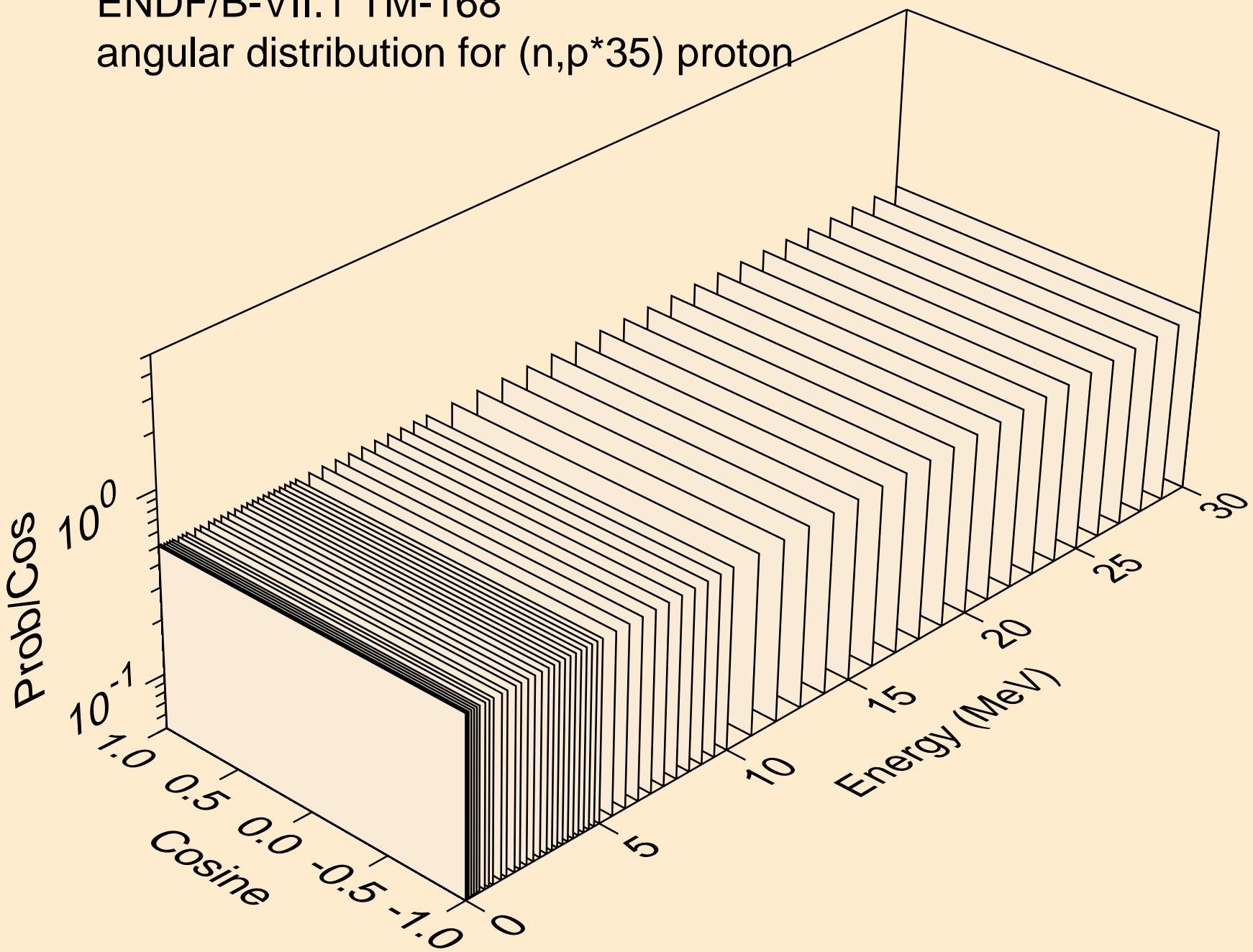
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angular distribution for ( $n,p^*33$ ) proton



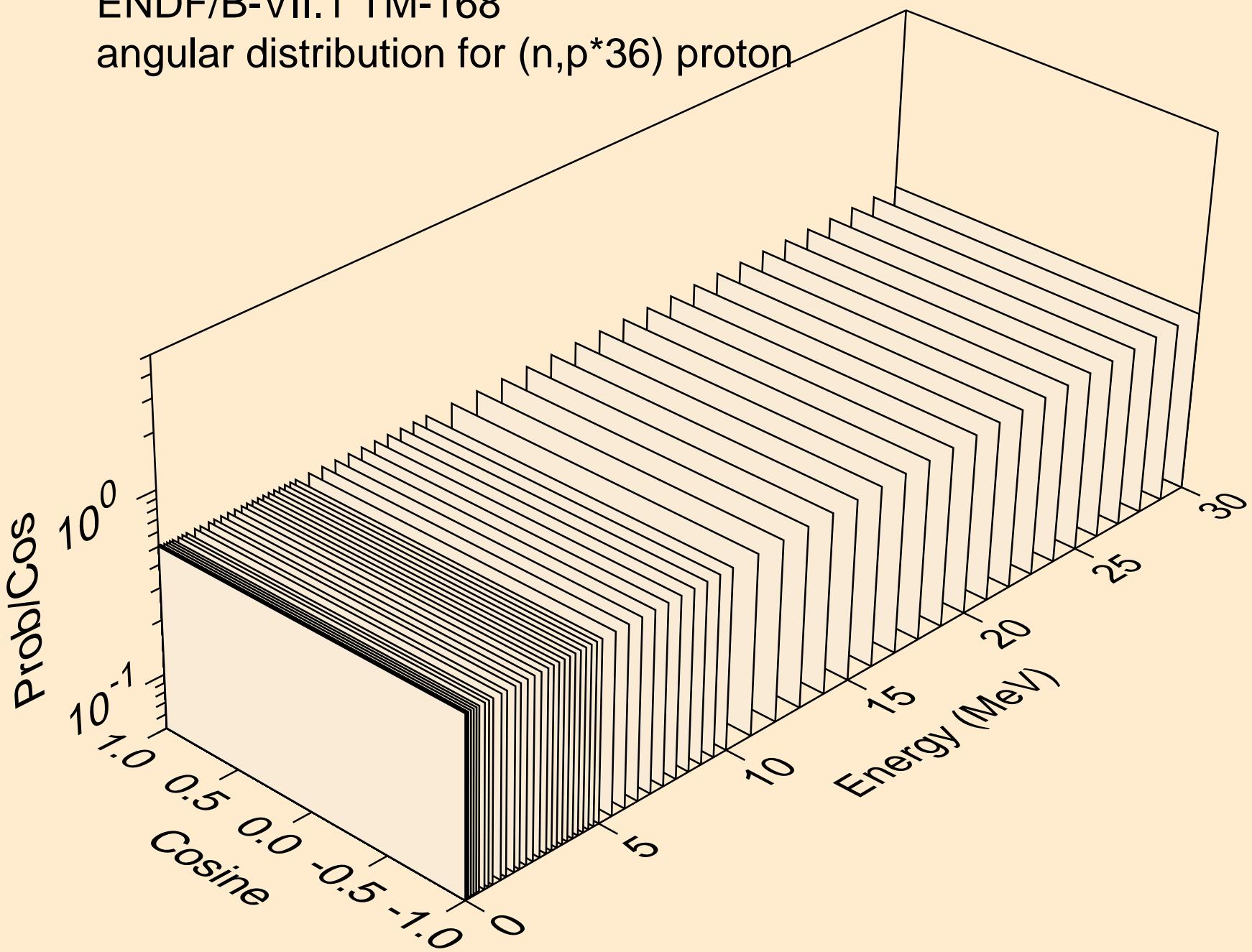
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angular distribution for ( $n,p^*34$ ) proton



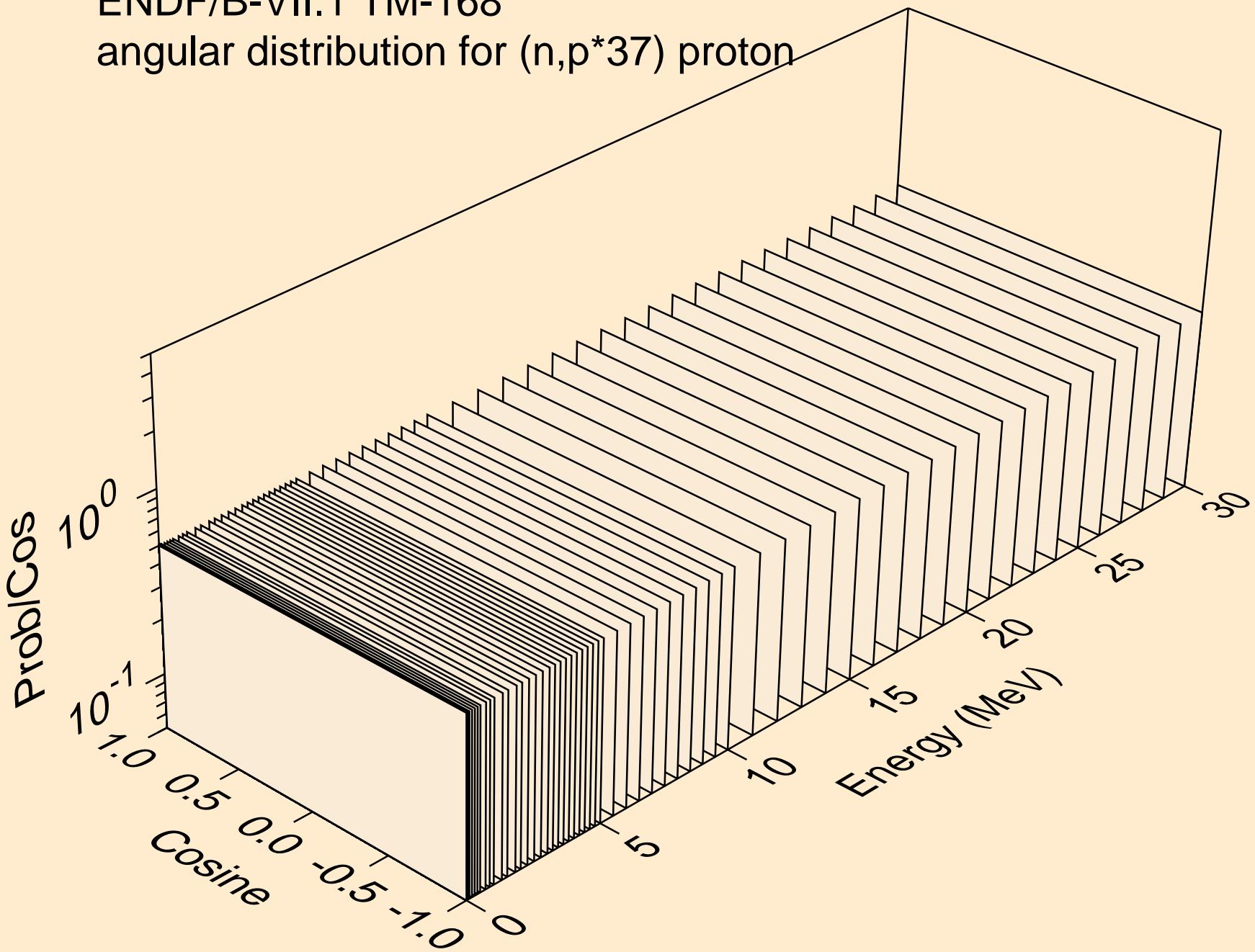
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,p^*35)$  proton



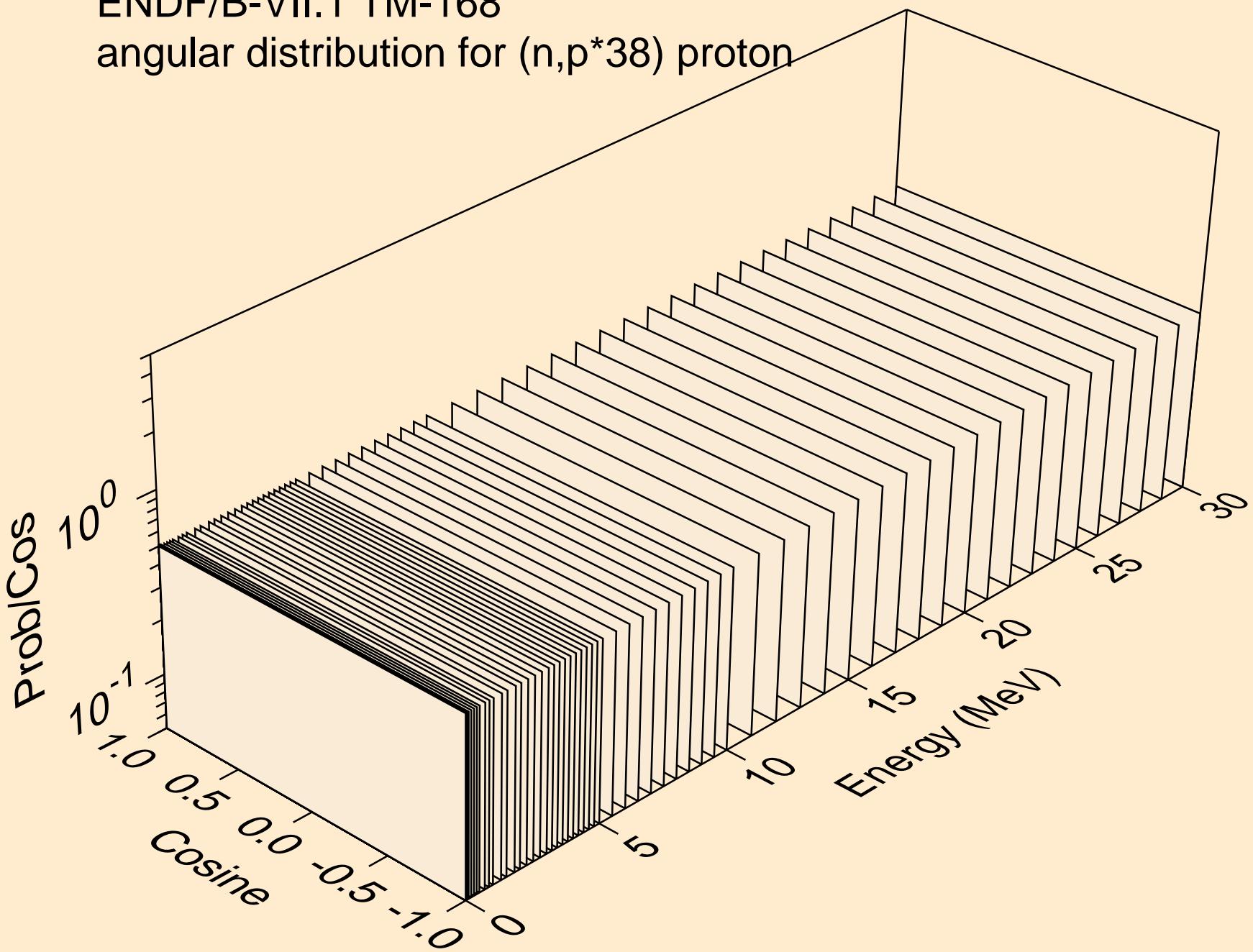
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angular distribution for  $(n,p^*36)$  proton



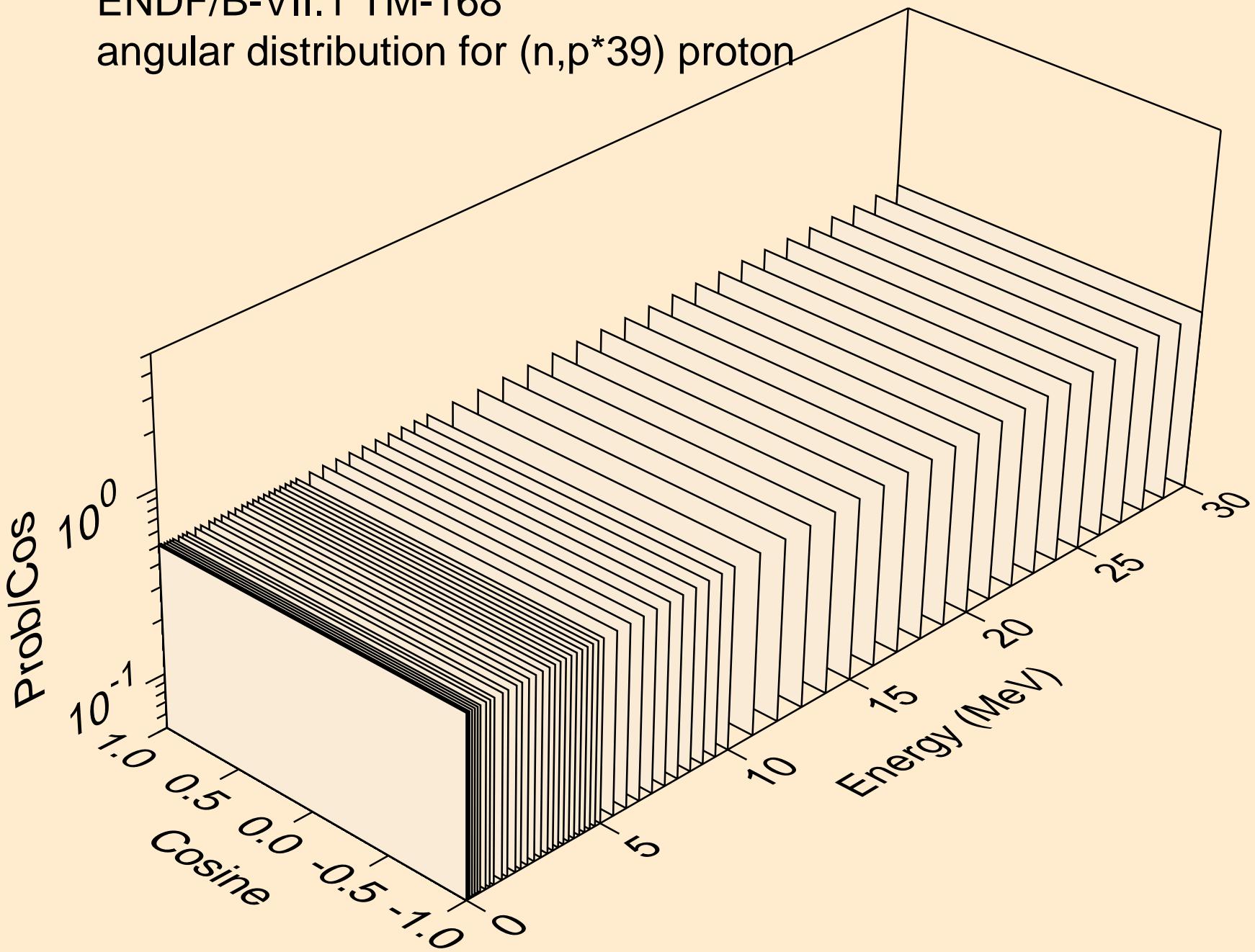
ENDF/B-VII.1 TM-168  
angular distribution for ( $n,p^*37$ ) proton



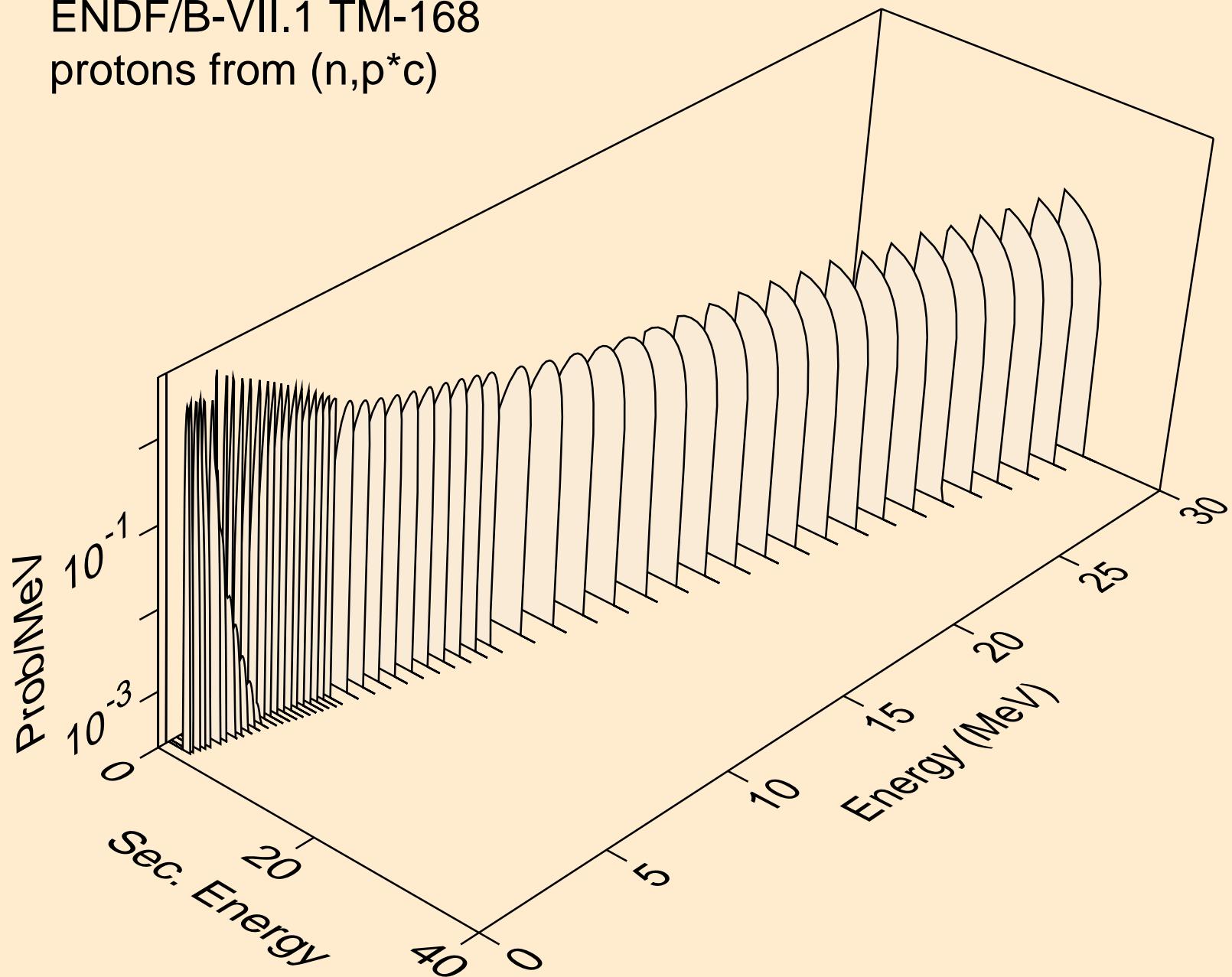
ENDF/B-VII.1 TM-168  
angular distribution for ( $n,p^*38$ ) proton



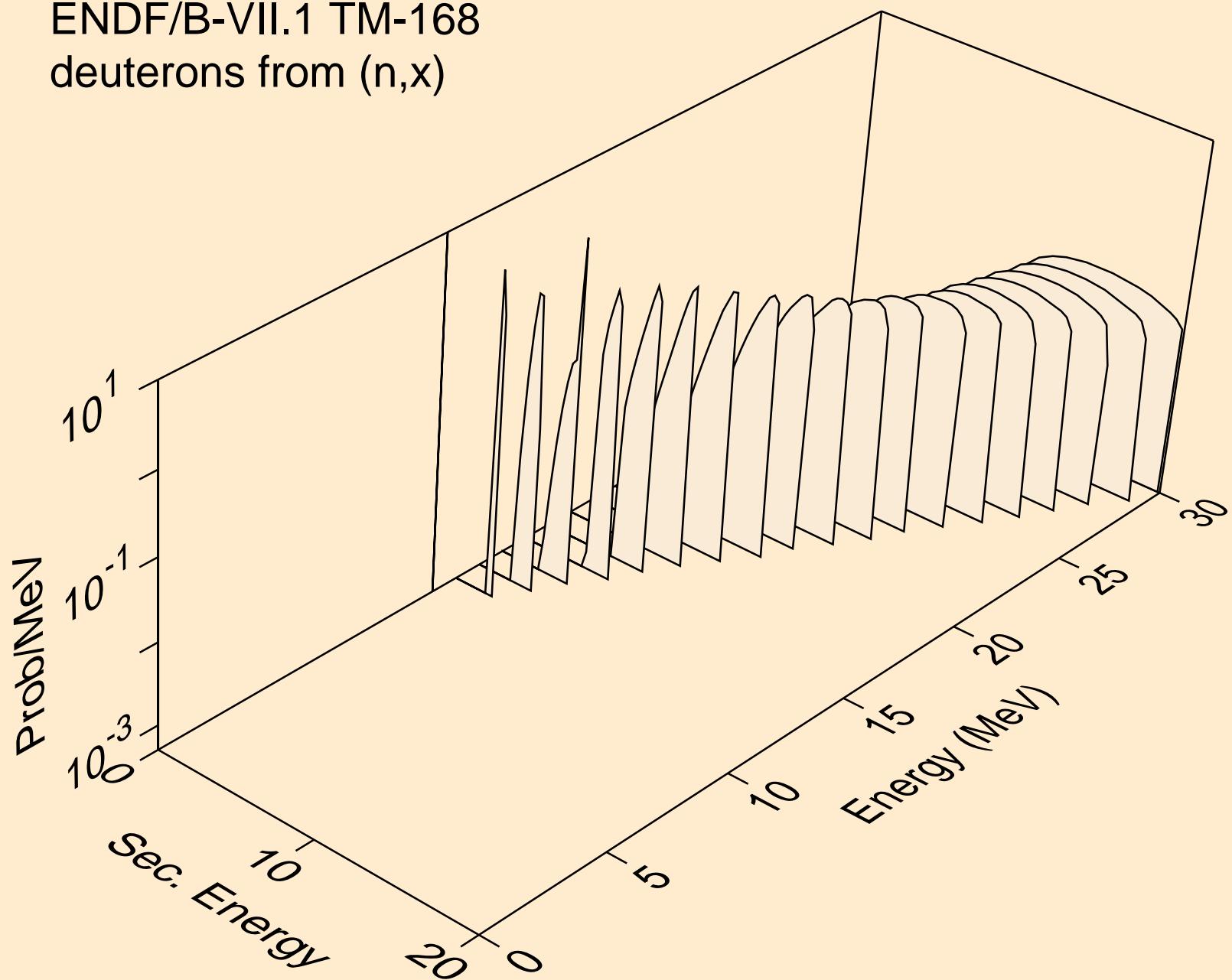
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,p^*39)$  proton



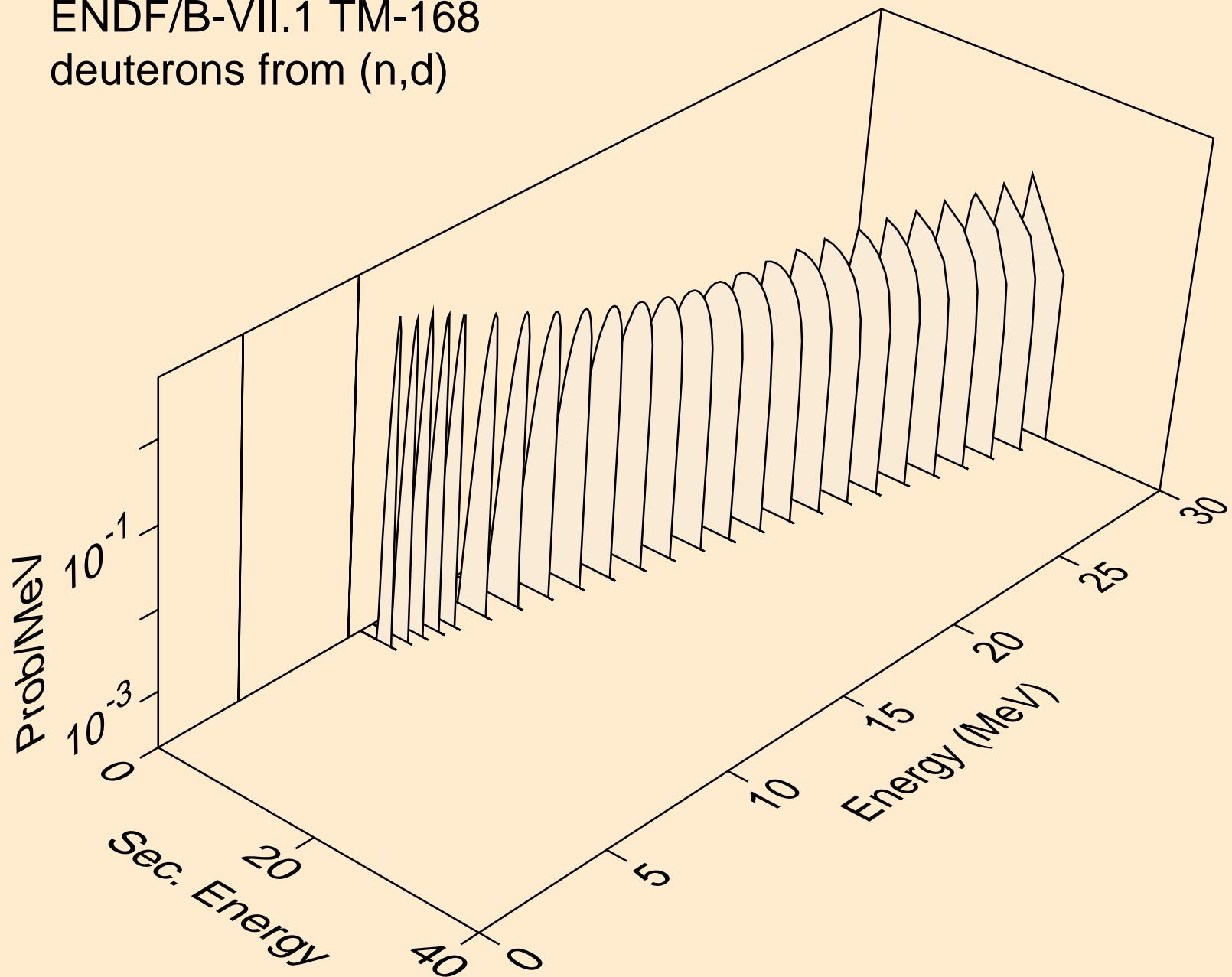
ENDF/B-VII.1 TM-168  
protons from  $(n, p^* c)$



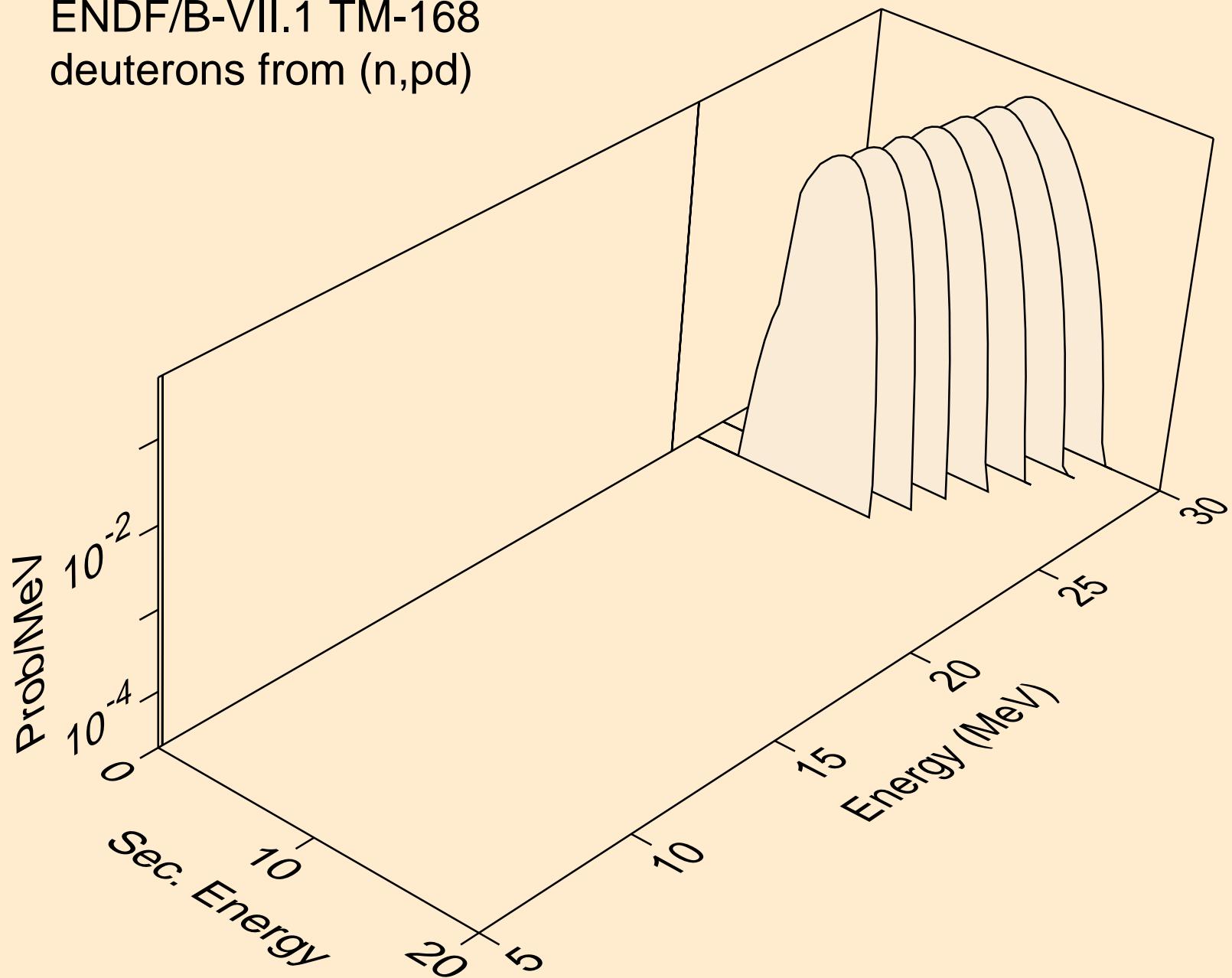
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deuterons from  $(n,x)$



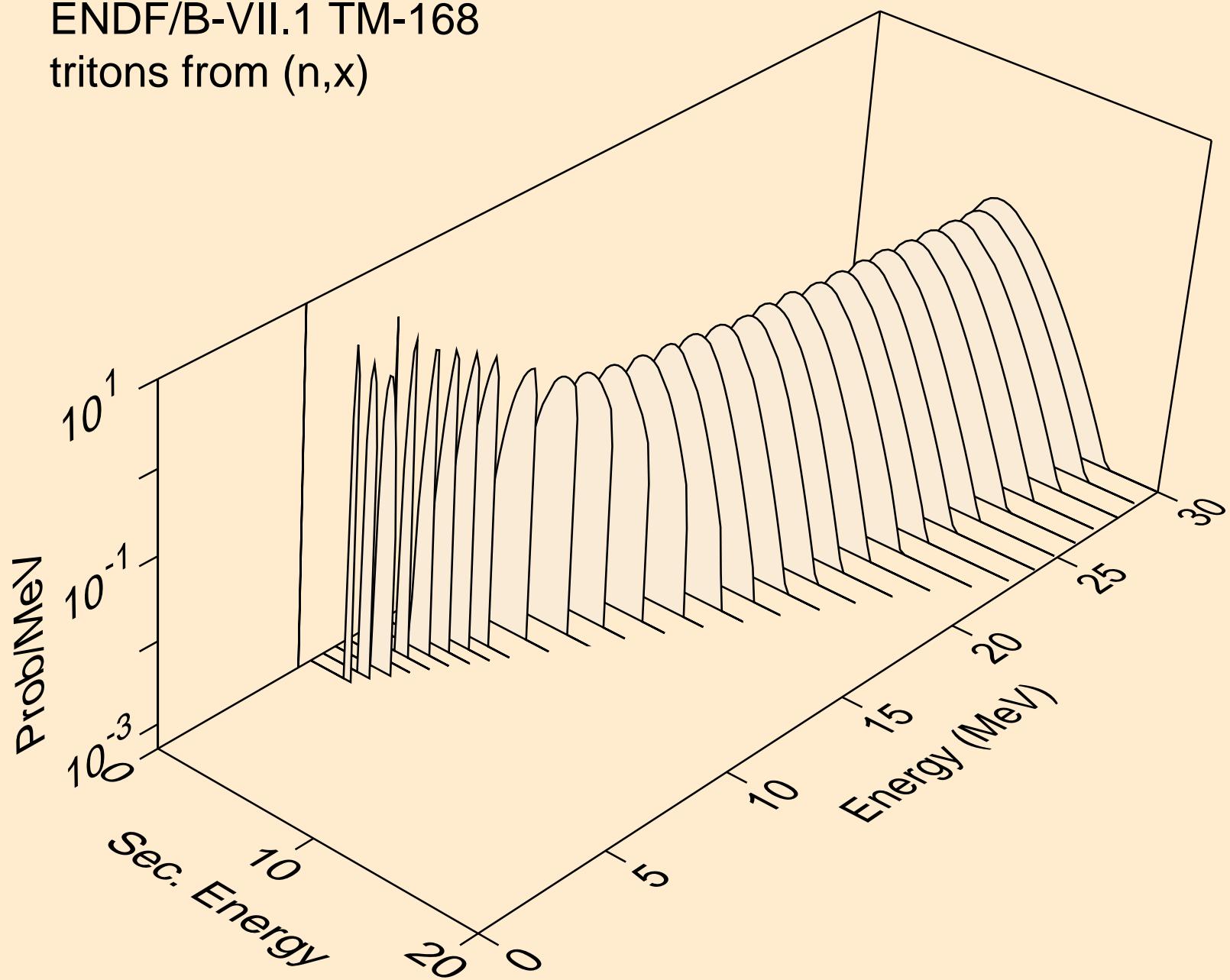
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deuterons from ( $n,d$ )



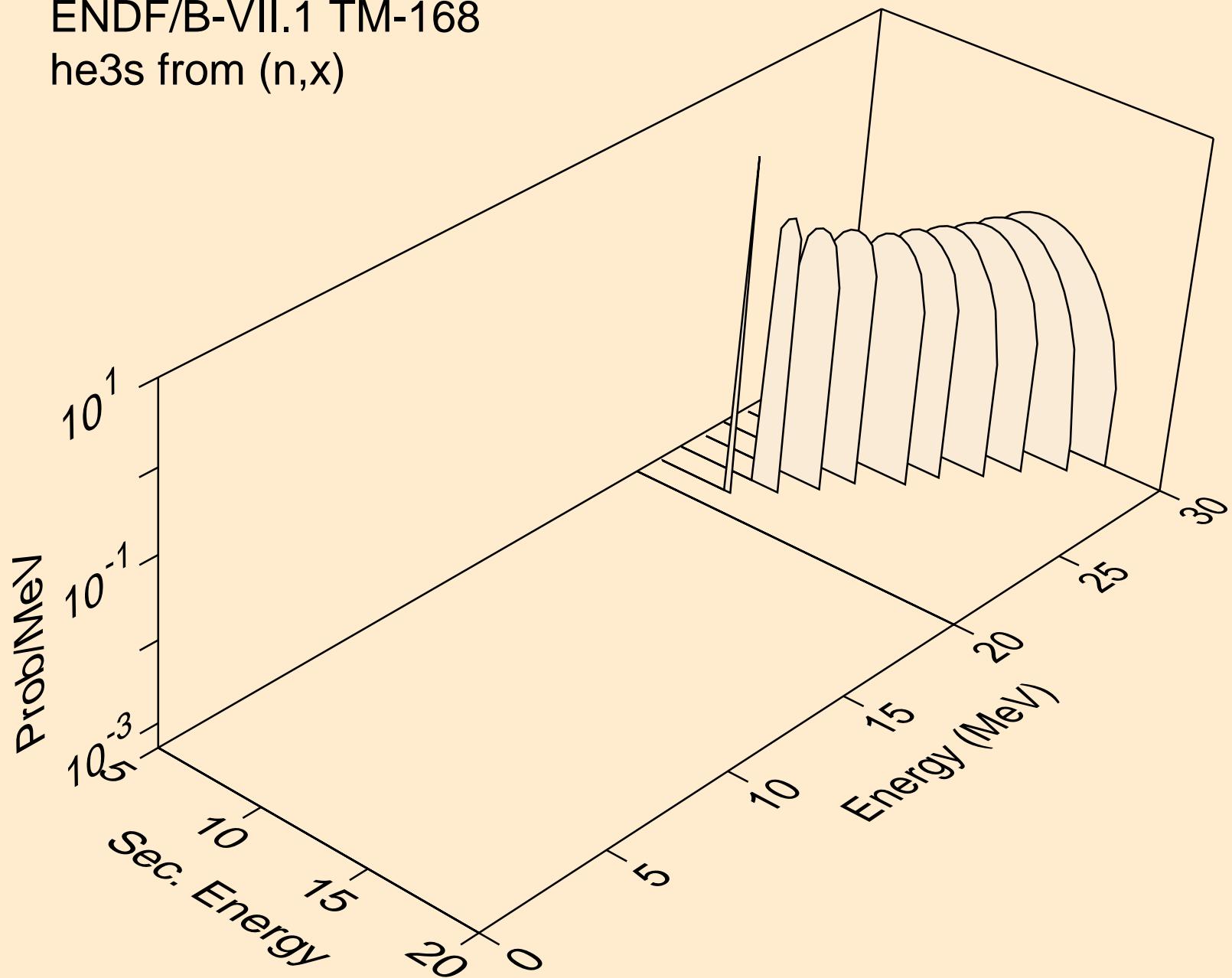
ENDF/B-VII.1 TM-168  
deuterons from (n,pd)



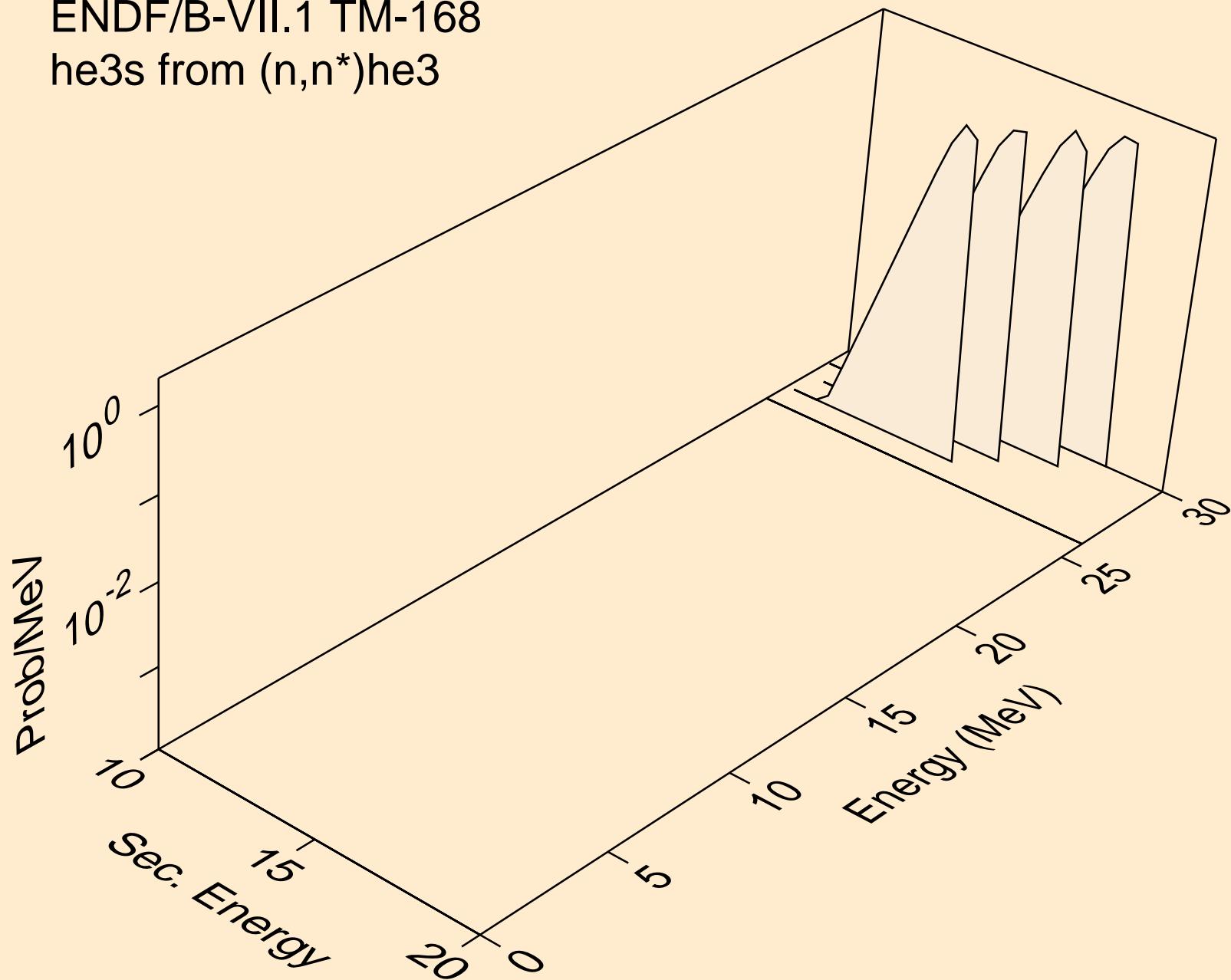
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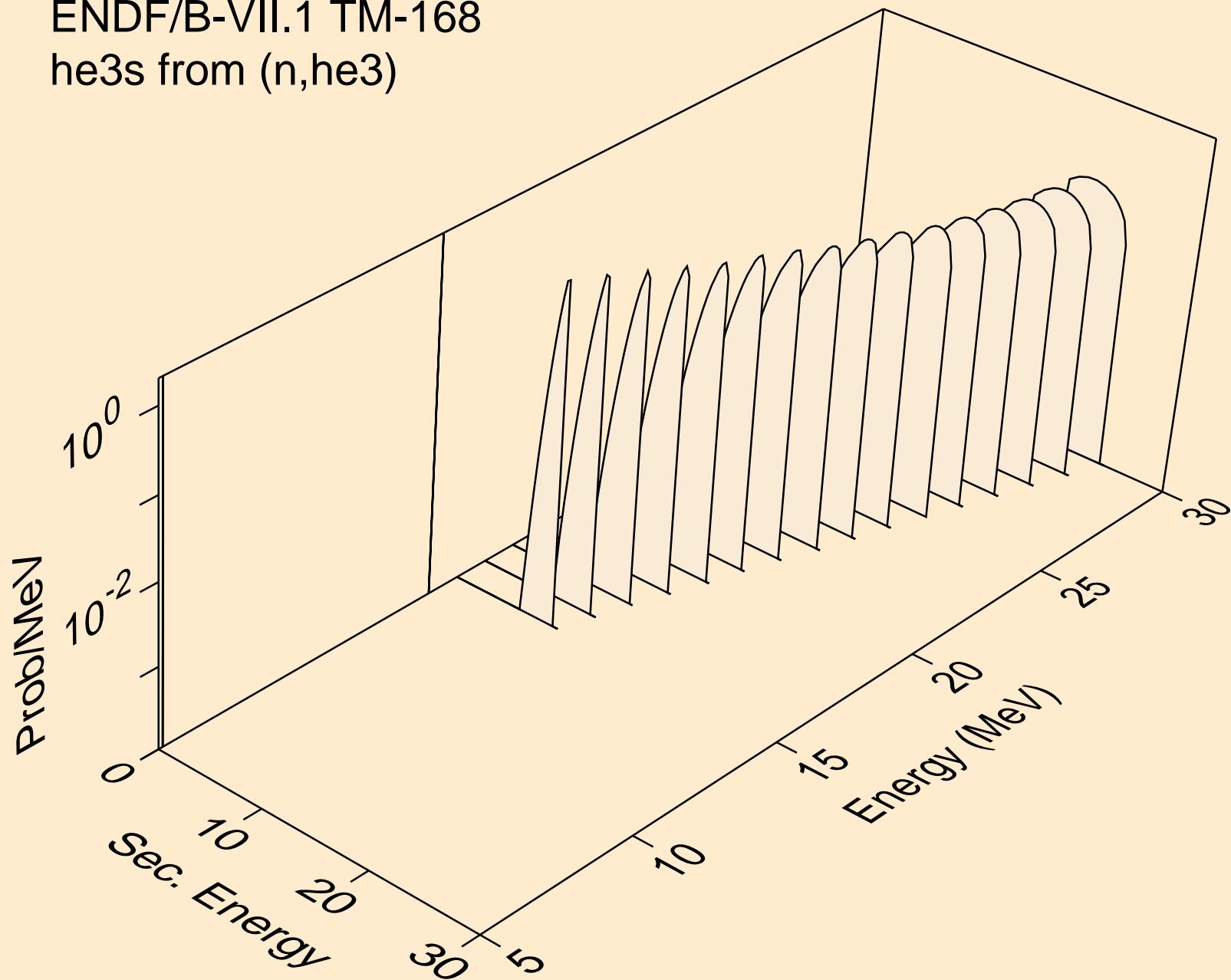
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he3s from (n,x)



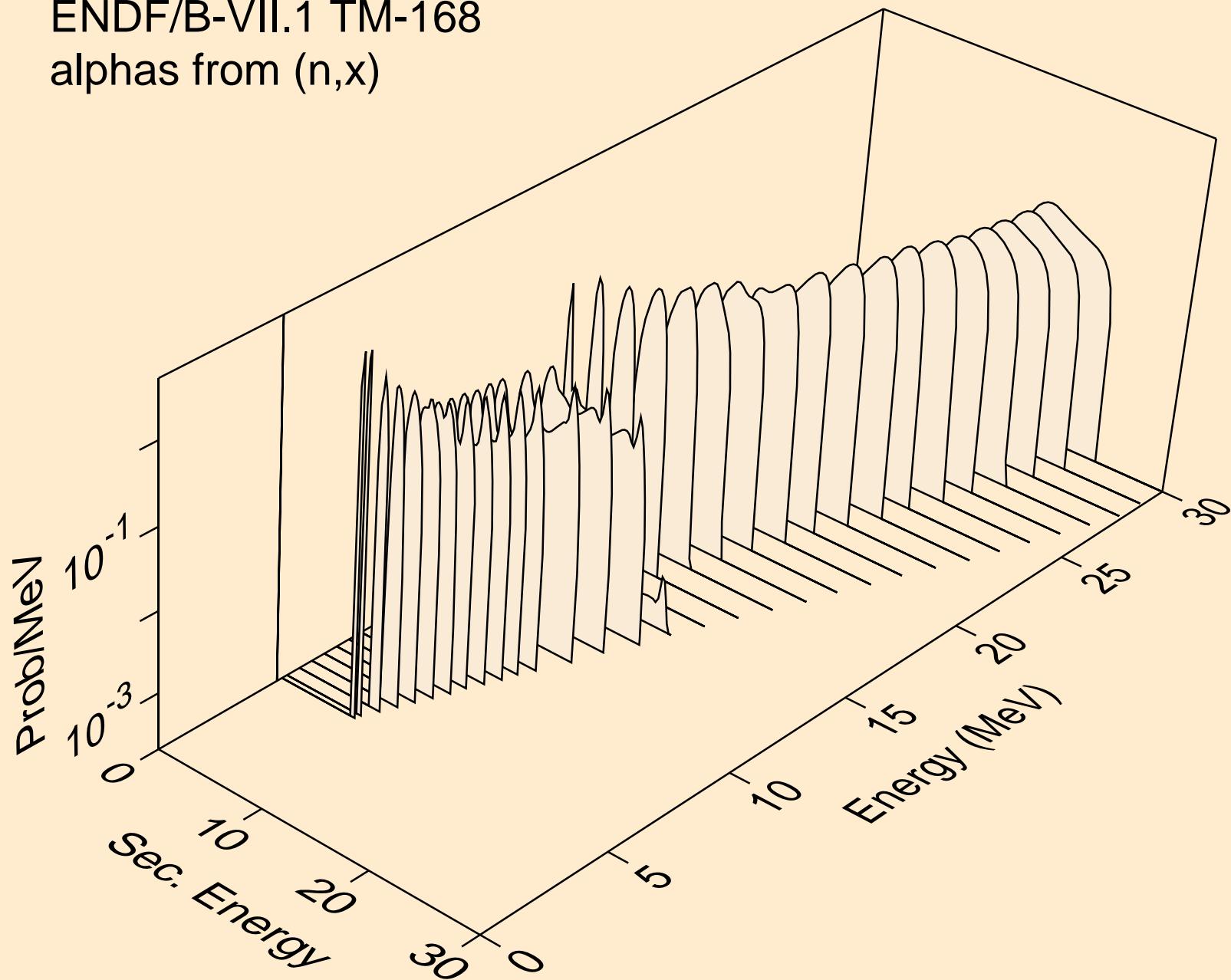
ENDF/B-VII.1 TM-168  
he3s from  $(n,n^*)\text{he3}$



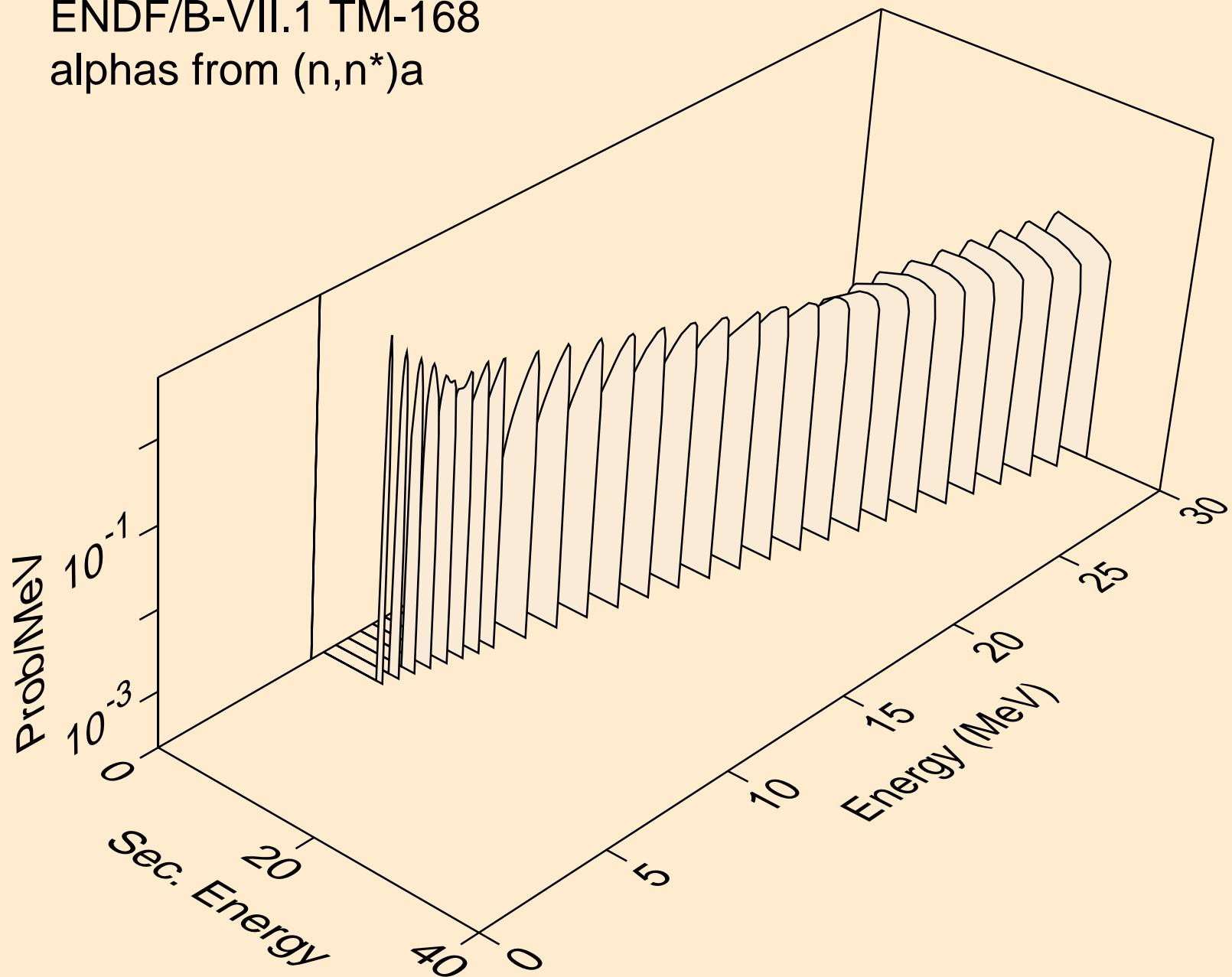
ENDF/B-VII.1 TM-168  
he3s from (n,he3)



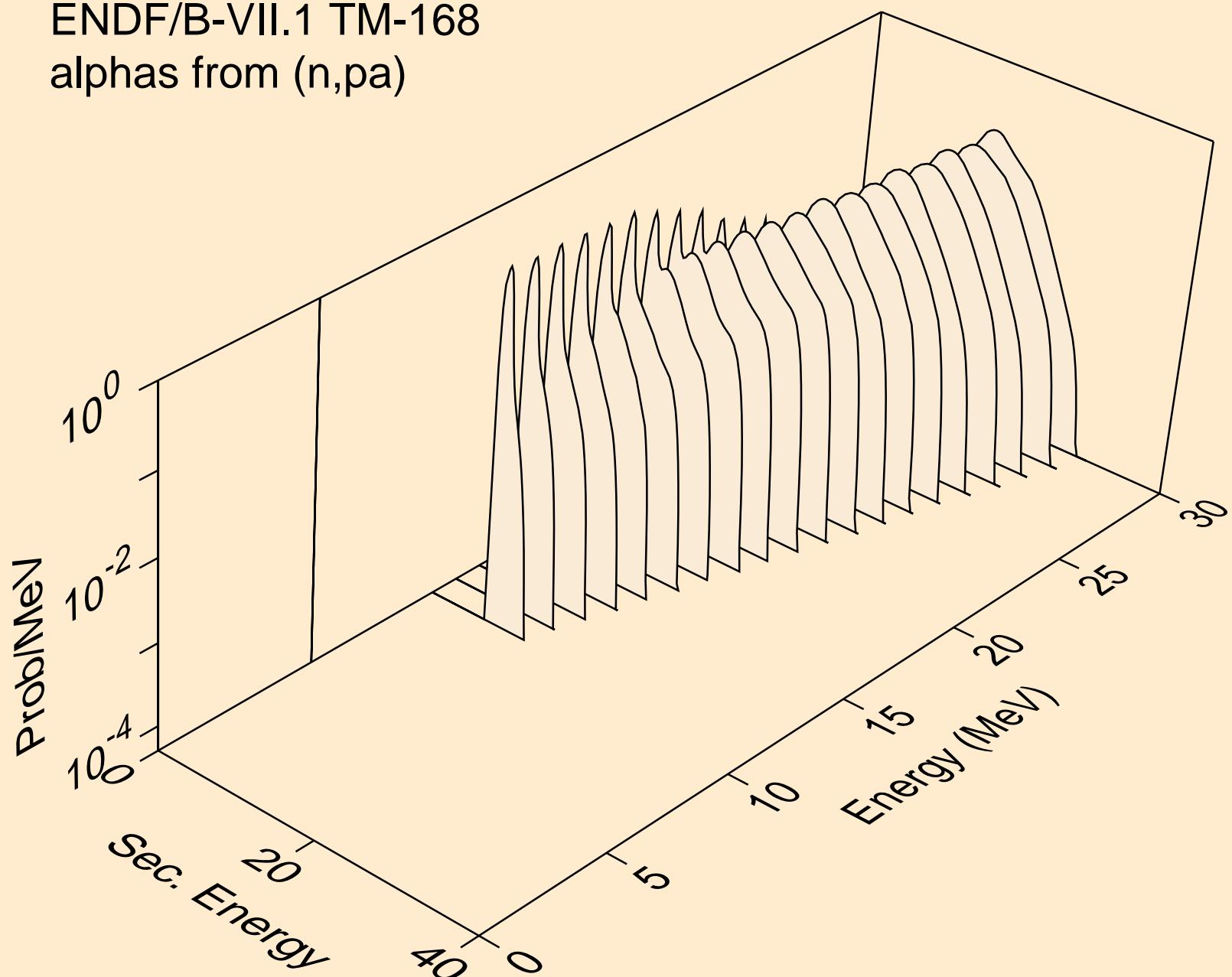
ENDF/B-VII.1 TM-168  
alphas from (n,x)



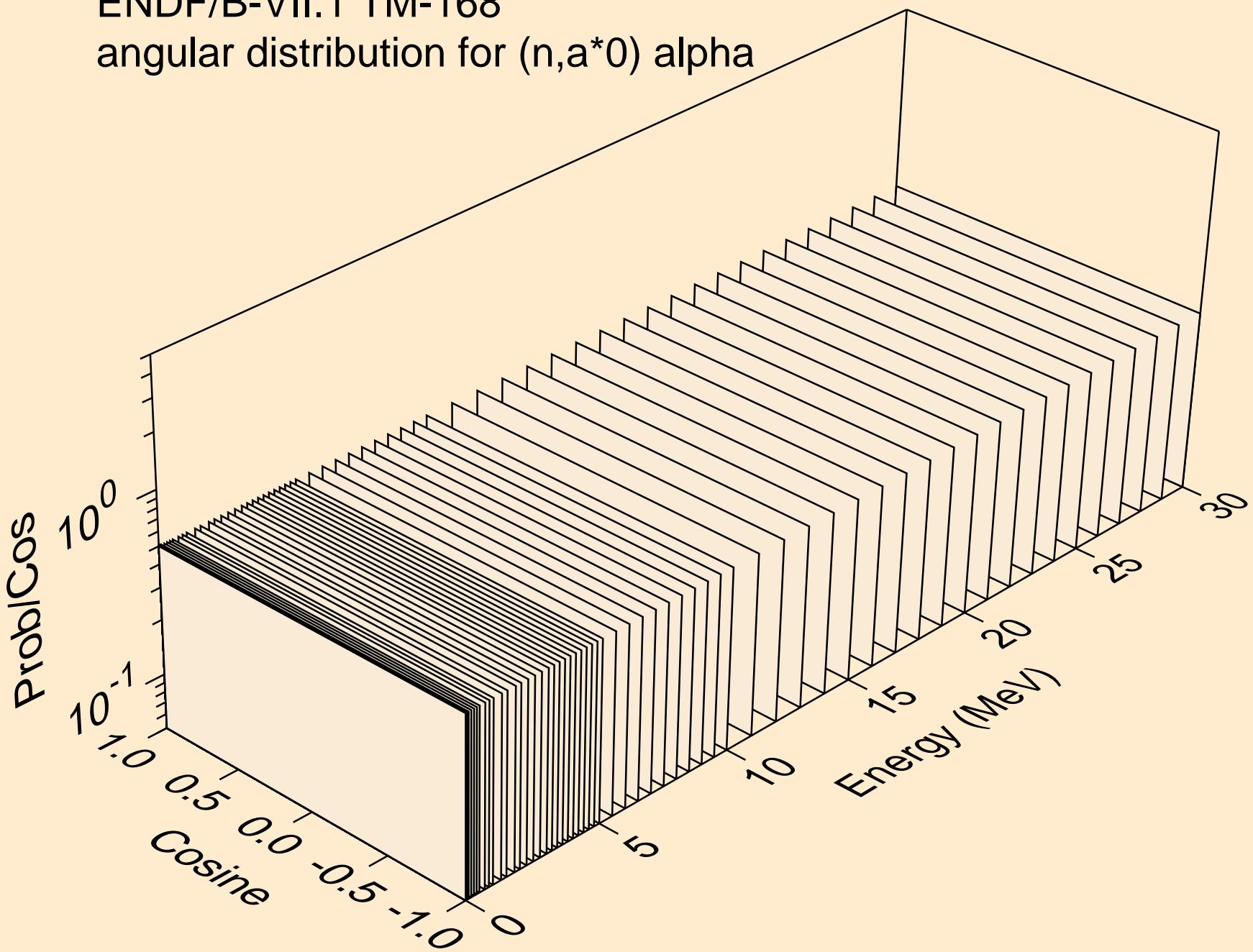
ENDF/B-VII.1 TM-168  
alphas from  $(n,n^*)a$



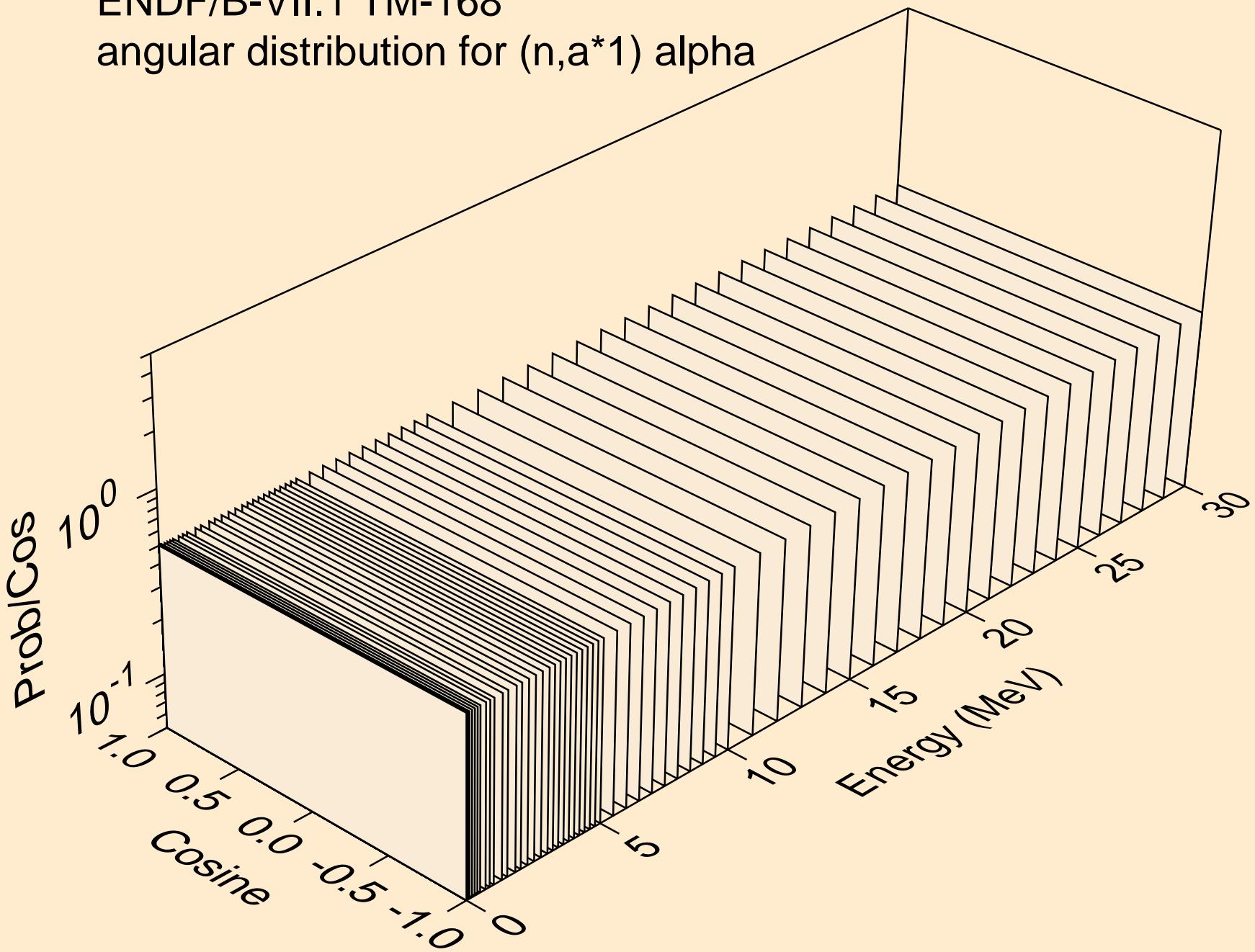
ENDF/B-VII.1 TM-168  
alphas from (n,pa)



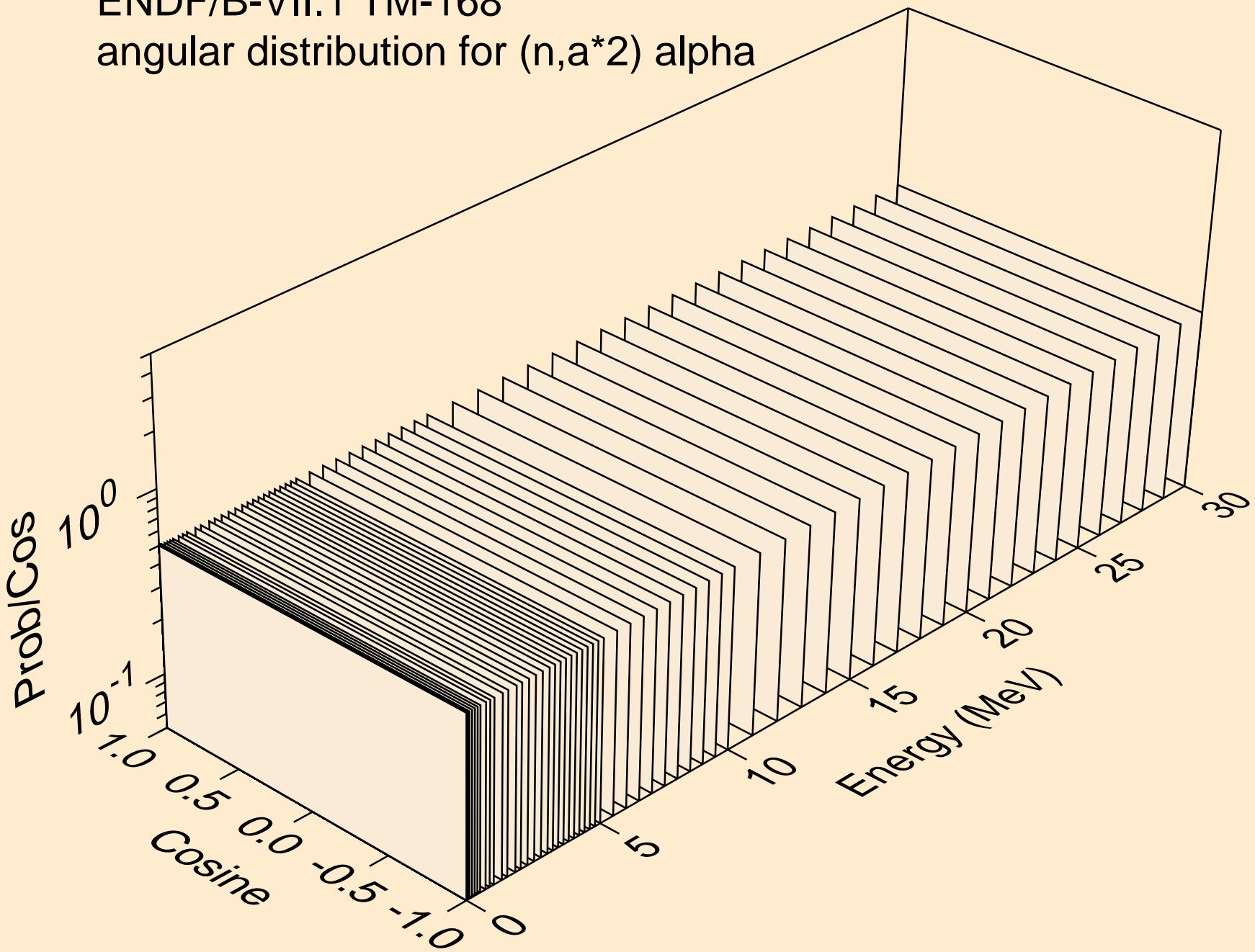
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,a^*0)$  alpha



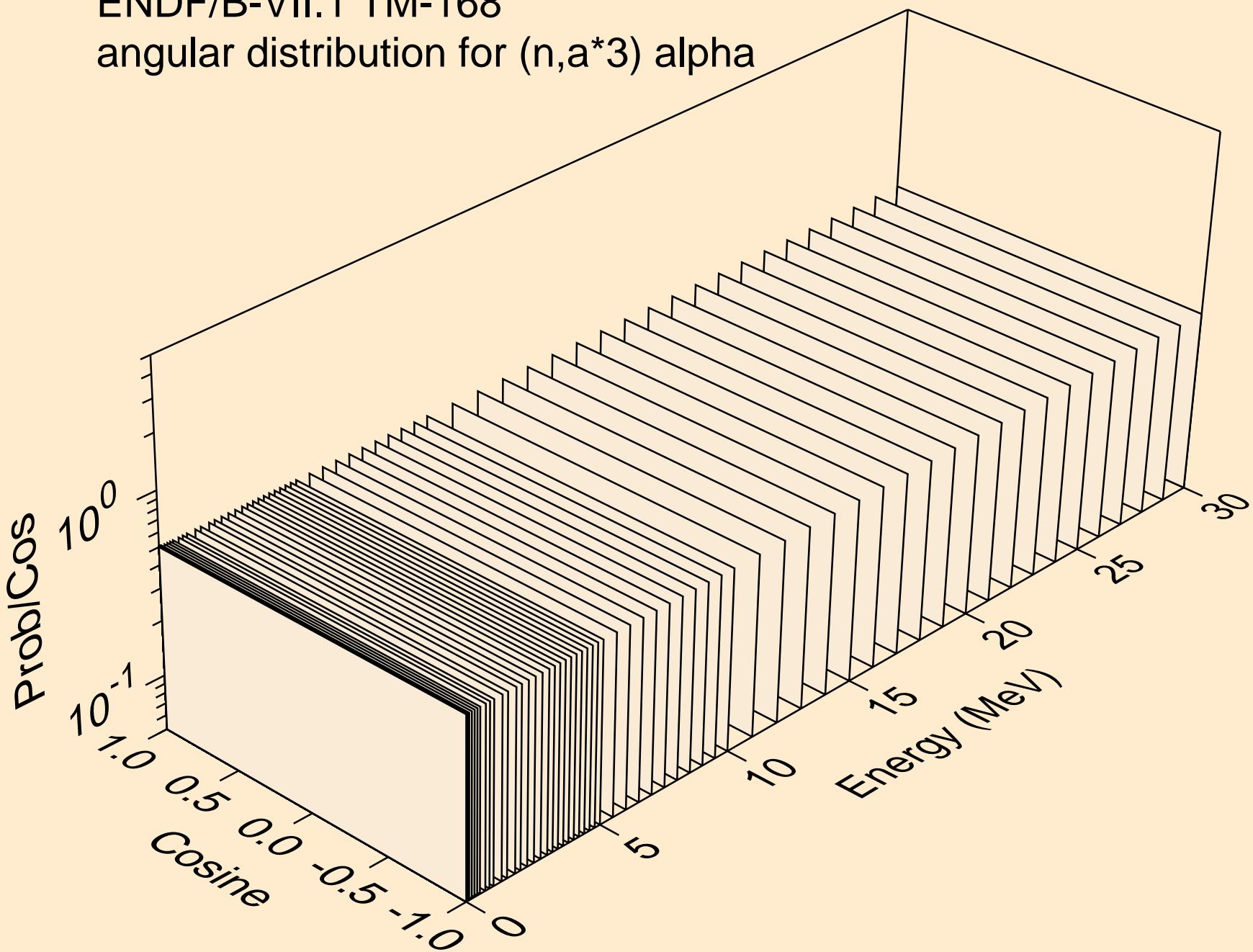
ENDF/B-VII.1 TM-168  
angular distribution for (n,a\*1) alpha



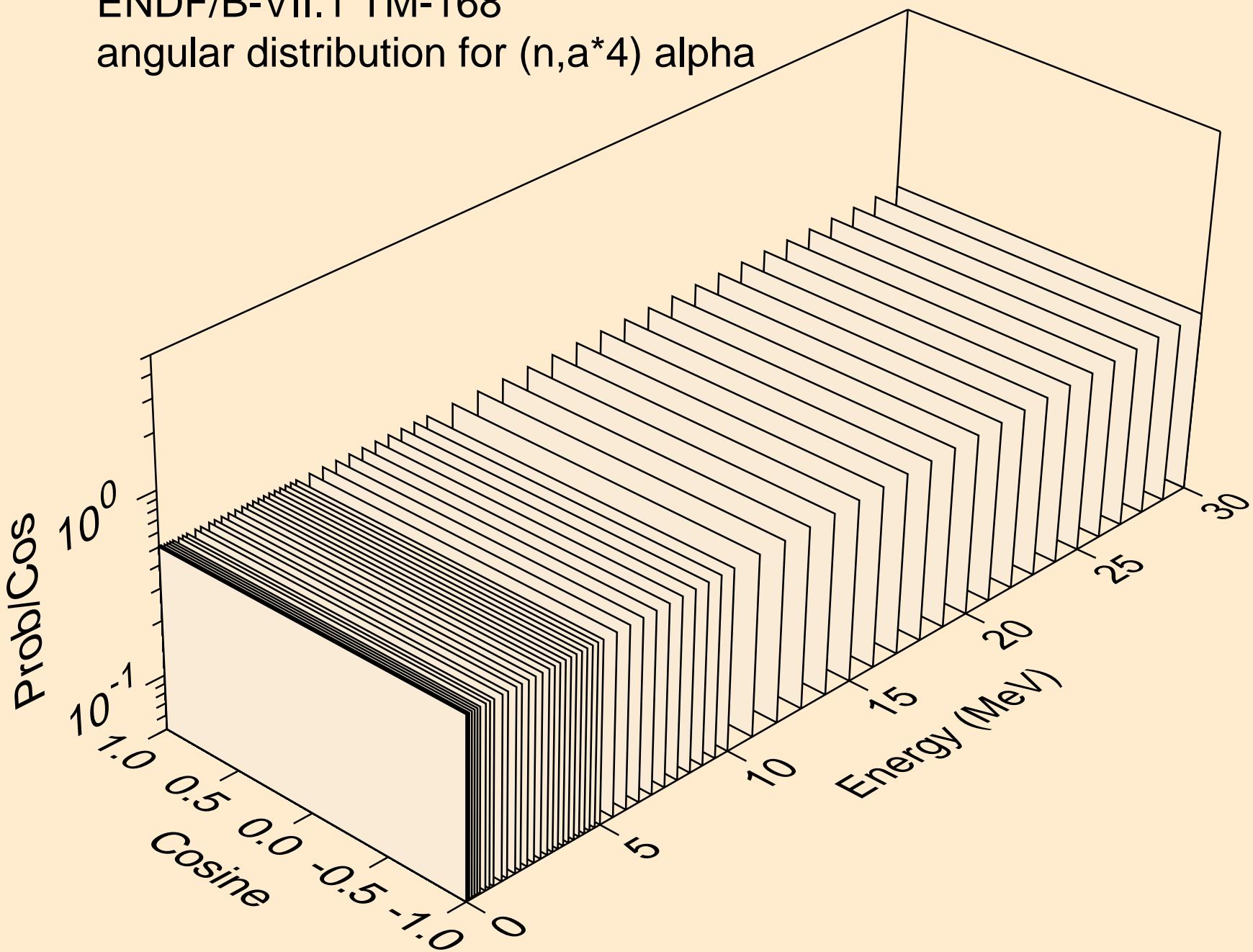
ENDF/B-VII.1 TM-168  
angular distribution for  $(n,a^*2)$  alpha



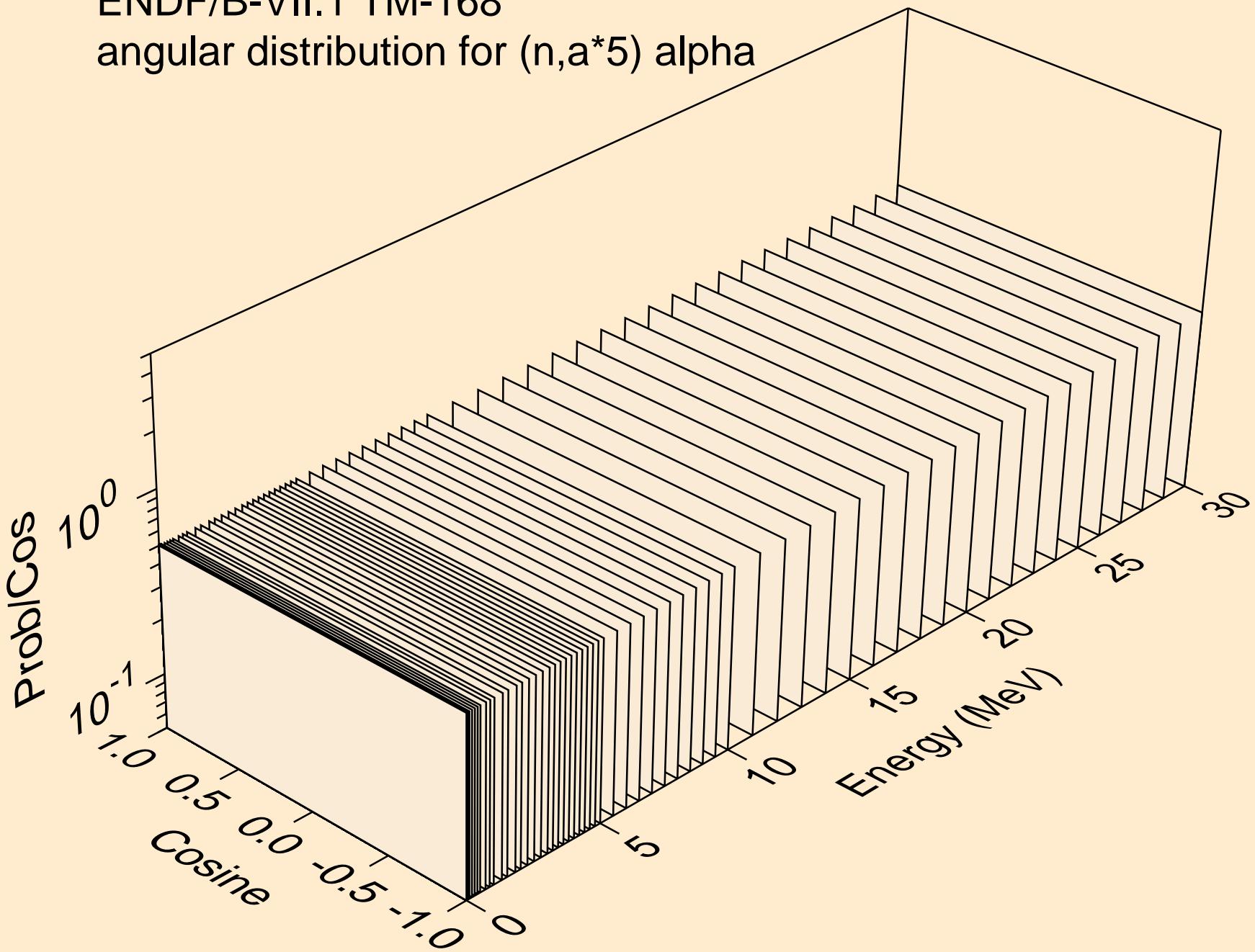
ENDF/B-VII.1 TM-168  
angular distribution for (n,a\*3) alpha



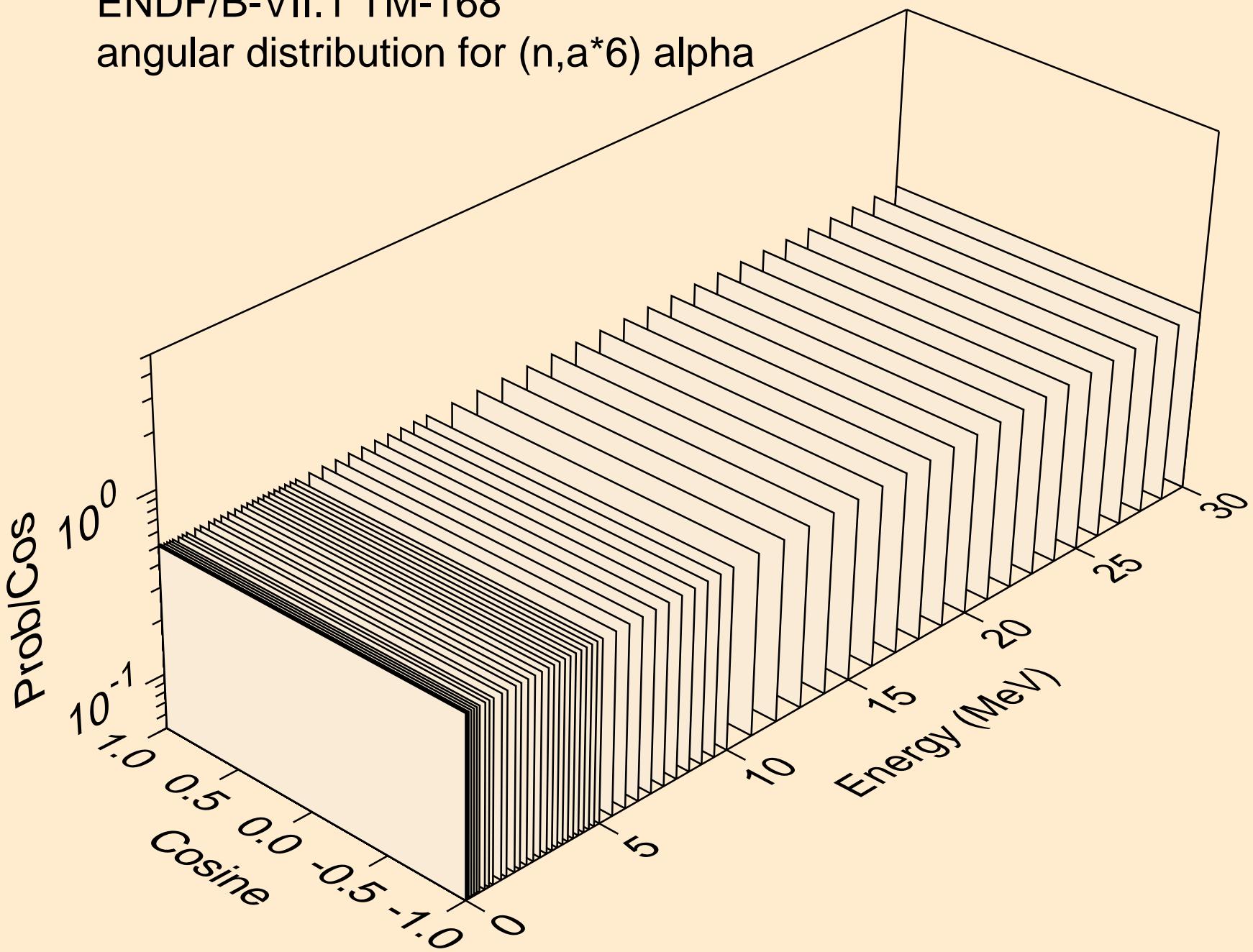
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angular distribution for (n,a\*4) alpha



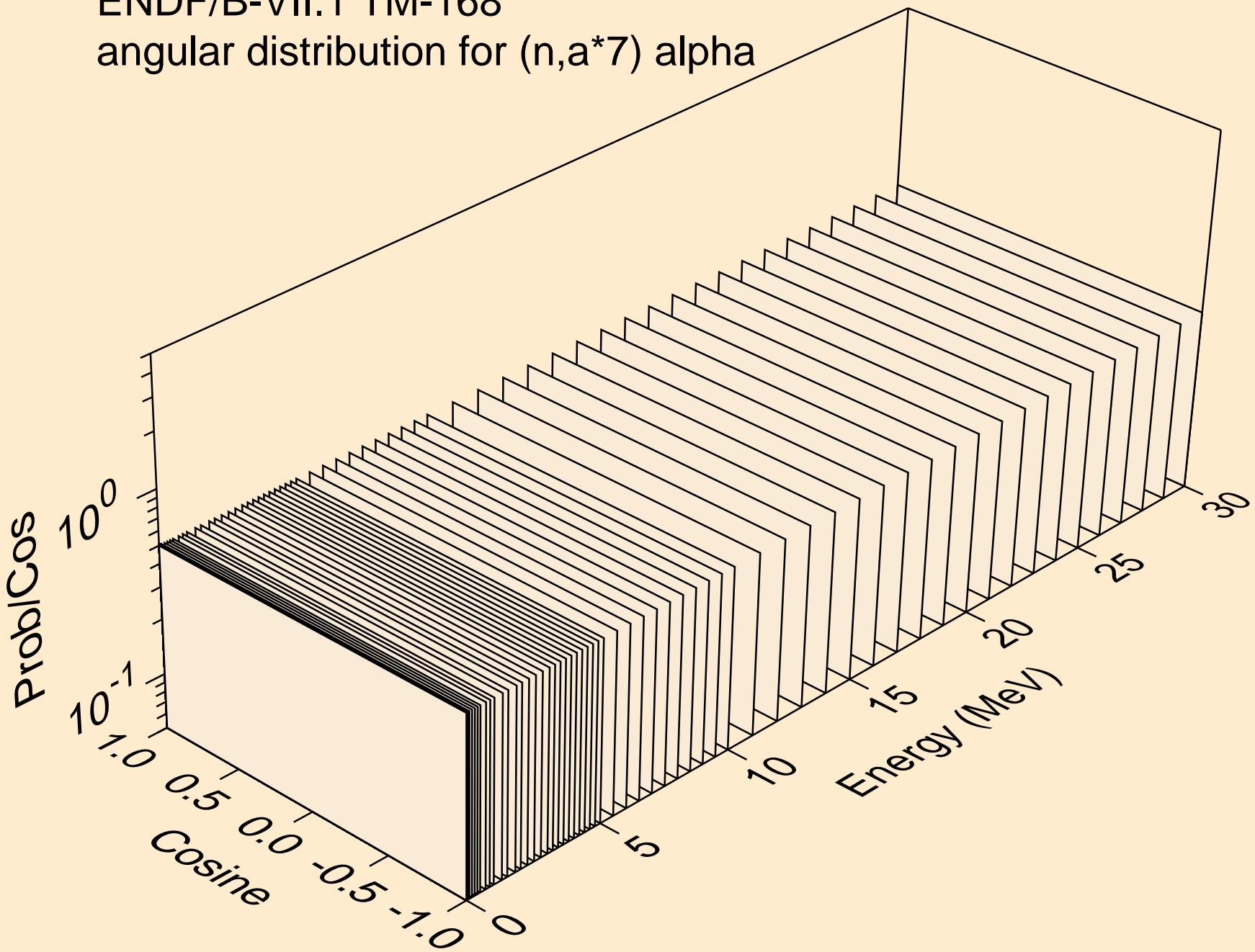
ENDF/B-VII.1 TM-168  
angular distribution for (n,a\*5) alpha



ENDF/B-VII.1 TM-168  
angular distribution for (n,a\*6) alpha



ENDF/B-VII.1 TM-168  
angular distribution for  $(n,a^*7)$  alpha



ENDF/B-VII.1 TM-168  
alphas from  $(n, a^* c)$

